

? logon

\*\*\* It is now 2010/01/29 08:55:39 \*\*\*  
(Dialog time 2010/01/29 08:55:39)

---

**? b 9, 15, 16, 160, 267, 268, 473, 475, 481, 583, 621, 623, 624, 626,  
635, 636, 34, 65, 239, 275, 647, 674**

```
>>>          473 does not exist
>>>          481 does not exist
>>>          623 does not exist
>>>          239 does not exist
>>>4 of the specified files are not available
      29jan10 08:57:42 User290593 Session D55.1
          $0.00      0.247 DialUnits File415
$0.00 Estimated cost File415
$0.82 INTERNET
$0.82 Estimated cost this search
$0.84 Estimated total session cost      0.247 DialUnits
```

```
SYSTEM:OS - DIALOG OneSearch
File 9:Business & Industry(R) Jul/1994-2010/Jan 28
(c) 2010 Gale/Cengage
File 15:ABI/Inform(R) 1971-2010/Jan 28
(c) 2010 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2010/Jan 29
(c) 2010 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 267:Finance & Banking Newsletters 2008/Sep 29
(c) 2008 Dialog
*File 267: no longer updates. Please see
File 268 or NewsRoom for current content.
File 268:Banking Info Source 1981-2010/Jan W4
(c) 2010 ProQuest Info&Learning
File 475:Wall Street Journal Abs 1973-2010/Jan 29
(c) 2010 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage
*File 583: This file is no longer updating as of 12-13-2002.
File 621:Gale Group New Prod.Annou.(R) 1985-2010/Dec 15
(c) 2010 Gale/Cengage
File 624:McGraw-Hill Publications 1985-2010/Jan 28
(c) 2010 McGraw-Hill Co. Inc
File 626:Bond Buyer Full Text 1981-2008/Jul 07
(c) 2008 Bond Buyer
*File 626: This file no longer updates.
Use NewsRoom for current records.
File 635:Business Dateline(R) 1985-2010/Jan 29
(c) 2010 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2010/Dec 29
(c) 2010 Gale/Cengage
File 34:SciSearch(R) Cited Ref Sci 1990-2010/Jan W4
(c) 2010 The Thomson Corp
File 65:Inside Conferences 1993-2010/Jan 28
(c) 2010 BLDSC all rts. reserv.
File 275:Gale Group Computer DB(TM) 1983-2010/Dec 23
(c) 2010 Gale/Cengage
File 647:UBM Computer Fulltext 1988-2010/Jan W4
```

(c) 2010 UBM, LLC  
 File 674:Computer News Fulltext 1989-2006/Sep W1  
 (c) 2006 IDG Communications  
 \*File 674: File 674 is closed (no longer updates).

Set	Items	Description
---	-----	-----

---

### ? s decimal or domain or scal?

Processing  
 Processing

Processing  
 Processed 10 of 18 files ...  
 Completed processing all files  
       15415 DECIMAL  
       798541 DOMAIN  
       3165381 SCAL?  
 S1 3893321 DECIMAL OR DOMAIN OR SCAL?

---

### ? s error? ? or outlier? ? or invalid?

1183415	ERROR? ?
23751	OUTLIER? ?
80404	INVALID?
S2 1270420	ERROR? ? OR OUTLIER? ? OR INVALID?

---

### ? s tick? ? or quote? ? or (time (w) series)

Processing  
 Processing  
 Processing

Processing  
 Processed 10 of 18 files ...  
 Completed processing all files  
       72127 TICK? ?  
       701685 QUOTE? ?  
 14717287 TIME  
       3115532 SERIES  
       82148 TIME(W) SERIES  
 S3 848187 TICK? ? OR QUOTE? ? OR (TIME (W) SERIES)

---

### ? s filter? or clean? or correct? or purif? or screen?

Processing  
 Processing

Processing  
 Processed 10 of 18 files ...  
 Completed processing all files  
       705250 FILTER?

```

1594894 CLEAN?
1711353 CORRECT?
403346 PURIF?
1850887 SCREEN?
S4 5733539 FILTER? OR CLEAN? OR CORRECT? OR PURIF? OR SCREEN?

```

---

**? s test?****Processing****Processing**

Processing

Processed 10 of 18 files ...

Completed processing all files

S5 6225496 TEST?

**? s credibil? or plaus? or probable or accuri?**

```

217675 CREDIBIL?
67440 PLAUS?
165912 PROBABLE
2571 ACCURI?
S6 446447 CREDIBIL? OR PLAUS? OR PROBABLE OR ACCURI?

```

---

**? s credibil? or plaus? or probable or accur?**

```

217675 CREDIBIL?
67440 PLAUS?
165912 PROBABLE
2259981 ACCUR?
S7 2644361 CREDIBIL? OR PLAUS? OR PROBABLE OR ACCUR?

```

---

**? s reject? or delet? or discard? or eliminat?****Processing**

```

744244 REJECT?
338094 DELET?
80024 DISCARD?
2014597 ELIMINAT?
S8 3047777 REJECT? OR DELET? OR DISCARD? OR ELIMINAT?

```

---

**? ds**

Set	Items	Description
S1	3893321	DECIMAL OR DOMAIN OR SCAL?
S2	1270420	ERROR? ? OR OUTLIER? ? OR INVALID?
S3	848187	TICK? ? OR QUOTE? ? OR (TIME (W) SERIES)
S4	5733539	FILTER? OR CLEAN? OR CORRECT? OR PURIF? OR SCREEN?
S5	6225496	TEST?
S6	446447	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCURI?
S7	2644361	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCUR?

S8 3047777 REJECT? OR DELET? OR DISCARD? OR ELIMINAT?

---

### ? s s1 (s) s2

3893321 S1  
1270420 S2  
S9 48610 S1 (S) S2

---

### ? s s9 and s3

48610 S9  
848187 S3  
S10 2090 S9 AND S3

---

### ? ds

Set	Items	Description
S1	3893321	DECIMAL OR DOMAIN OR SCAL?
S2	1270420	ERROR? ? OR OUTLIER? ? OR INVALID?
S3	848187	TICK? ? OR QUOTE? ? OR (TIME (W) SERIES)
S4	5733539	FILTER? OR CLEAN? OR CORRECT? OR PURIF? OR SCREEN?
S5	6225496	TEST?
S6	446447	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCURI?
S7	2644361	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCUR?
S8	3047777	REJECT? OR DELET? OR DISCARD? OR ELIMINAT?
S9	48610	S1 (S) S2
S10	2090	S9 AND S3

---

### ? s financial (w) data

Processing  
Processing  
Processing  
Processing

Processing  
Processed 10 of 18 files ...  
Completed processing all files  
9457531 FINANCIAL  
11571884 DATA  
S11 638326 FINANCIAL (W) DATA

---

### ? s s4 or s5

Processing  
Processing  
Processing  
Processing  
Processing  
Processing  
Processing  
Processing



Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing

Processing  
 Processing  
 Processing  
 Processed 10 of 18 files ...  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Processing  
 Completed processing all files  
           5733539 S4  
           6225496 S5  
       S1210818197 S4 OR S5

>>> Retrying request [1]

---

**? s s11 (5N) s12**

Processing  
 Processing

Processing  
           638326 S11  
           10818197 S12  
       S13       650 S11 (5N) S12

---

**? ds**

Set	Items	Description
S1	3893321	DECIMAL OR DOMAIN OR SCAL?
S2	1270420	ERROR? ? OR OUTLIER? ? OR INVALID?
S3	848187	TICK? ? OR QUOTE? ? OR (TIME (W) SERIES)
S4	5733539	FILTER? OR CLEAN? OR CORRECT? OR PURIF? OR SCREEN?
S5	6225496	TEST?
S6	446447	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCURI?
S7	2644361	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCUR?
S8	3047777	REJECT? OR DELET? OR DISCARD? OR ELIMINAT?
S9	48610	S1 (S) S2
S10	2090	S9 AND S3
S11	638326	FINANCIAL (W) DATA
S12	10818197	S4 OR S5
S13	650	S11 (5N) S12

---

? s13 and s10 and s7

Processing

```

5192945 13
      2090 S10
2644361 S7
S14      466 13 AND S10 AND S7

```

---

? s s14 and s8

```

      466 S14
3047777 S8
S15      340 S14 AND S8

```

---

? rd

Processing

```

>>>Duplicate detection is not supported for File 626.

>>>Records from unsupported files will be retained in the RD set.
S16      334 RD (unique items)

```

---

? s s16 not pd>=20000501

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

```

Processing
Processing
Processed 10 of 18 files ...
Processing
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Processing
Completed processing all files
      334 S16
36947347 PD>=20000501
S17      133 S16 NOT PD>=20000501

```

---

? t s17/medium,k/all

Dialog eLink:

USPTO Full Text Retrieval Options

17/K/1 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02544706

269020461

**Principia methodological: A bridge from economics to all other natural sciences**

Rugina, Anghel N

International Journal of Social Economics v27n5/6 pp: 395

2000

ISSN: 0306-8293 Journal Code: ISE

Word Count: 36832

**Text:**

...the excuse that the position of the sun and moon were not known with sufficient accuracy to permit him a proper assessment of the issue.

In reality he was convinced that...have been used to negate the results of the other. In practice, however, this methodological error was committed by modern thinkers on a large scale. Modern heritage was opposed to classical heritage with the connotation that the former can be...of this conflict. What we are interested in is the question of the possibility of eliminating this conflict and showing that there is truth in both scientific views but each is...the table can help to disentangle this complexity and clear the terrain for further inquiry.

13 . On the gravitational and electromagnetic fields and their governing laws We are now entering a duality, Einstein immediately thereafter is inclined to discard this property by ending the above sentence: "[acceleration] which does not in the least depend...universal hypothesis of duality is more realistic than the monistic philosophy. It gives a more plausible picture of the real world from every point of view (Nature and human societies).

One...uncertainty principle according to quantum theory as follows:

One can never know simultaneously with perfect accuracy both of those two important factors which determine the movement of one of these smallest of particles - its position and its velocity. It is impossible to determine accurately both the position and the direction and speed of a particle at the same instant...name is called duration: relative, apparent, and common time, is some sensible and external (whether accurate or unequable) measure of duration by the means of motion, which is commonly used instead...s general theory. Einstein himself recognised this indirectly, when he wrote: "If we increase the accuracy of the calculation, deviations from the theory of Newton make their appearance, practically all of...

...the issue. Einstein gives in continuation more information about that one most important and most quoted exception, the planet Mercury, which, since Leverrier's discovery, has become the thorny point in...universe differs only slightly from a Euclidean one, and this notion seems all the more probable since calculations show that the metrics of surrounding space is influenced only to an exceedingly...use of mathematics in logic as well as other sciences. The purpose is not to reject it, which would be counter-productive, but rather to clarify its potential use and real...

...that "the existence and non-existence of states of affairs is reality" (Wittgenstein, 1963, p. 13 ) he was absolutely correct, but only if we link the two expressions with equilibrium versus...same context, the complementarity principle by Niels Bohr receives a more simple but also more plausible interpretation. The wave-particle duality of light actually confirms the existence of two different forms...Principia Oeconomica: new and old foundations of economic analysis", International Journal of Social Economics, Vol. 13 Nos 7/8.

Samuelson, P.A. (1983), The Foundations of Economic Analysis, 2nd ed., Harvard...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/2 (Item 2 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02409833 116350104

**Library of Congress archives: additional information about W. Edwards Deming (1900-1993) now available**

Petersen, Peter B.

Journal of Management History v3n2 pp: 98  
1997

**Journal Code:** MGHT

**Word Count:** 10566

**Text:**

...Ford employee for this position."

The curmudgeon and the corporation compromised: Deming, who had summarily rejected a list of sixty-four Ford candidates for the job, was permitted to choose his...you can do it" [7, February 27, 1983]. Being more specific Deming urged Petersen to eliminate obstacles that stand in the way of Ford and its suppliers. "There is no hope...

...what management must accomplish (such as generate pride of workmanship) and cautioned that Ford should eliminate their merit system. Next, he discussed the four spokes in his wheel of continual improvement...and related matters, see C. I. Lewis, Mind and the World Order pp. 309-344" [13 , p. 43]. The essence of Lewis's 1929 view is that:"

The only knowledge a priori is purely analytic; all empirical knowledge is probable only. In affirming such a view, one assumes a heavy burden of proof; the whole...

...to Chapter II of Mind and the World Order: Outline of a Theory of Knowledge [13 , p. 135]. Lewis postulates that there are two systems of truth - abstract mathematical certainty and empirical truth. Consequently, the traditional understanding of the a priori must be discarded . In a letter in 1940 to C. I. Lewis, Deming commented on Lewis's book...rebuild their shattered industries after World War II" [21, p. 15]. An additional but often quoted remark about Deming was made by David Halberstam who has

an exceptionally positive view about...speech I gave to the American Hospital Association. These speeches were attempts to articulate the scale and nature of the transformation. I am certain they contain significant errors and lack some key principles. If you could read these speeches and identify both the...s, conveyed his thoughts to Deming. A portion of his sincere and emotional letter is quoted below. Indeed, Scholtes' views are shared by many others."

Our last 2-day seminar in...

...Crawford-Mason, C., Quality or else: The revolution in world business, Houghton Mifflin, Boston, 1991. Quoted with permission of Houghton Mifflin.

5. Kilian, C. S., The world of W. Edwards Deming (2nd ed.), SPC Press, Knoxville, TN, 1992. Quoted with permission of Cecelia S. Kilian.

6. Gabor, A., The man who discovered quality: How...  
...The W. Edwards Deming Papers, General Correspondence Box #16, File Petersen D. E. 1982-90. Quoted with permission of The W. Edwards Deming Institute.

8. Scherkenbach, W. W., The Deming route to quality and productivity: Road maps and roadblocks, Mercury Press, Rockville, MD, 1990. Quoted with permission of William Scherkenbach.

9. Petersen, D. E., (1984, November 28. [Letter to W...

...The W. Edwards Deming Papers, General Correspondence Box #16, File Petersen D. E. 1982-90. Quoted with permission of D. E. Petersen.

10. Deming, W. E., (1987, September 22. [Memo to...

...The W. Edwards Deming Papers, Client File Box #42, File Ford December 1983-June 1988. Quoted with permission of The W. Edwards Deming Institute.

11. Deming, W. E., (1989, December 9...

...The W. Edwards Deming Papers, Client File Box #42, File Ford January 1989-March 1990. Quoted with permission of The W. Edwards Deming Institute.

12. Deming, W. E., The new economics...

...for Advanced Educational Services, Cambridge, MA 02139. Copyright 1994 by The W. Edwards Deming Institute.

13 . Shewhart, W. A., & Deming, W. E. (Eds.)., Statistical method: From the viewpoint of quality control...

...and the world order: Outline of a theory of knowledge, Dover Publications, New York, 1929. Quoted with permission of Dover Publications.

15. Deming, W. E., (1940, February 29. [Letter to C. I. Lewis], Library of Congress, Manuscript Division, The W. Edwards Deming Papers, General Correspondence Box # 13 , File Le 1937-92. Quoted with ...Division, The W. Edwards Deming Papers, General Correspondence Box #12, File Kr-Ku 1965-94. Quoted with permission of The W. Edwards Deming Institute.

17. Petersen, P. B., Reflections about W...

...M., Managerial breakthrough: The classic book on improving management performance, McGraw-Hill, New York, 1995. Quoted with permission of the Juran Institute.

20. Ross, J. E., Total quality management, St. Lucie Press, Delray Beach, FL, 1993. Quoted with permission of St. Lucie Press.

21. Cortada, J. W., & Woods, J. A., The quality yearbook (1995 ed.), McGraw-Hill, New York, 1995. Quoted with permission of McGraw-Hill Companies.

22. Halberstam, D., The reckoning, William Morrow, New York...

...Division, The W. Edwards Deming Papers, General Correspondence Box #14, File Mac-Man 1969-91. Quoted with permission of The W. dwards Deming Institute.

24. Deming, W. E. (1991, September 21...

...Division, The W. Edwards Deming Papers, General Correspondence Box #18, File Sab-Sai 1937-91. Quoted with permission of The W. dwards Deming Institute.

25. Juran, J. M. (1990, December 19...

...Manuscript Division, The W. Edwards Deming Papers, General Correspondence Box #11, File Juran 1951-92. Quoted with permission of the Juran Institute.

26. Deming, W. E. (1992, May 27. [Letter to...

...Manuscript Division, The W. Edwards Deming Papers, General Correspondence Box #11, File Juran 1951-92. Quoted with permission of The W. dwards Deming Institute.

27. Deming, W. E., Out of the...

...Manuscript Division, The W. Edwards Deming Papers, General Correspondence Box #11, File Juran 1951-92. Quoted with permission of The W. dwards Deming Institute.

30. "Man of the year: Newt Gingrich, " Time, 146 (26), January 1, 1996, pp. 85-86. Quoted with permission ofime and Newt Gingrich.

31. Gingrich, N. (1991, July 23. [Letter to W...

...Division, The W. Edwards Deming Papers, General Correspondence Box #9, File Gingrich, N. 1991-93. Quoted with permission of Newt Gingrich.

32. Deming, W. E. (1992, February 1. [Letter to N...

...Manuscript Division, The W. Edwards Deming Papers, General Correspondence Box #17, File Schultz 1986-92. Quoted with permission of The W. dwards Deming Institute.

34. Deming, W. E. (1991, April 6...

...Division, The W. Edwards Deming Papers, General Correspondence Box #15, File Oa-Og 1931-91. Quoted with permission of The W. dwards Deming Institute.

35. Deming, W. E. (1991, June 1...

...Manuscript Division, The W. Edwards Deming Papers, General

Correspondence Box #20, File Ta 1950-93. Quoted with permission of The W. Edwards Deming Institute.

36. Deming, W. E. (1992, March 7...

...of Congress, Manuscript Division, The W. Edwards Deming General Correspondence Box #18, File Dan-Day 1965-93. Quoted with permission of The W. Edwards Deming Institute.

37. Cole, R. E. (Ed.), The death...

...The team handbook: How to use teams to improve quality, Joiner Associates, Madison, WI, 1988. Quoted with permission of Joiner Associates.

39. Walton, M., Deming management at work: Six successful companies...

...of the world-famous W. Edwards Deming, G. P. Putnam's Sons, New York, 1990. Quoted with permission of Putnam Berkley Group.

40. Joiner, B. L., Fourth generation management: The new business consciousness, McGraw-Hill, New York, 1994. Quoted with permission of Joiner Associates.

41. Scholtes, P. R. (1993, October 5. [Letter to W...

...Congress, Manuscript Division, The W. Edwards Deming Papers, General Correspondence Box #17, File Scholtes, P. Quoted with permission of Peter Scholtes.

Caption: Figure 1; The Shewhart Cycle for learning and improvement

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**Dialog eLink:**

**USP10 Full Text Retrieval Options**

17/K/3 (Item 3 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02397812 116351715

**Human agents and rationality in Max Weber's social economics**

Oakley, Allen

International Journal of Social Economics v24n7/8/9 pp: 812

1997

**ISSN:** 0306-8293 **Journal Code:** ISE

**Word Count:** 9749

**Abstract:**

...he focused on the distinctive ontological nature of phenomena that originate in human action. Weber rejected the Homo oeconomicus concept of the agent required by exact theoretical economics. He espoused instead...

**Text:**

...goods - "untiring acquisitional drive".

It thus postulates an unrealistic person, analogous to a mathematical model ( quoted by Hennis, 1987, p. 35, Weber's emphasis) "

In this passage, Weber made reference to...

...observed, "apparently a matter of 'deductions' from fundamental psychological motives" (1949b, p. 89)[3]. He rejected the scientific notion that all social inquiry should pursue this exclusively hypothetico-deductive methodology based...

...given and practical end by means of an increasingly precise calculation of adequate means" (Weber quoted by Sadri, 1982, p. 622).

Rational action is, as Weber realized, a highly subjective procedure...

...agents must be presumed to have the required intellectual capacities, the necessary information and the accurate foresight to turn the self-interest into a realized outcome by way of reasoned deliberation...and result can be based on the most varied constellations of motives, and the most plausible motive may not be the one that really came into play" (1981, p. 151). Indeed...satisfaction, in relation to the actor's state of needs and to the present and probable action of others, in so far as the latter affects the same resources" (1964, p...the irrational dimensions of the phenomenon (1964, p. 92). As he put it, "within the domain of real events, rational 'evaluation' functions exclusively as an hypothesis or as an ideal typical...explanation of the observed deviations, which will be attributed to such factors as misinformation, strategical errors , logical fallacies, personal temperament [of the agents] ..." (1964, p. 111; cf. 1949b, pp. 90ff; 1949d...

...empirical and logical 'correctness' and 'consistency'" (1949d, p. 42: translation modified, cf. 1973a, pp. 534f).

Plausible though this methodology sounds, Weber's actual application of the notions of rationality and the...1982, "Methodological ambivalence: the case of Max Weber", Social Research, Vol. 49, pp. 589-615.

13 . Oakes, G. (1986, "Introduction: Rickert's theory of historical knowledge", in Rickert, H.The Limits...

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**Dialog eLink:**

**USPRO Full Text Retrieval Options**

17/K/4 (Item 4 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02397441

115718083

**Public capital and private sector productivity in Ireland, 1958-1990**

Kavanagh, Catherine

Journal of Economic Studies v24n1,2 pp: 72



1997

ISSN: 0144-3585 Journal Code: JES

Word Count: 9788

**Abstract:**

...is estimated to investigate the link between government investment and private sector productivity. Second, modern time - series techniques are used to test the hypothesis. The Johansen cointegration testing procedure and error correction...

**Text:**

...is estimated to investigate the link between government investment and private sector productivity. Second, modern time - series techniques are used to test the hypothesis. The Johansen (1988) cointegration testing procedure and error...all empirical findings support the Public Capital Hypothesis. Ford and Poret (1991) applied Aschauer's time - series aggregate production function analysis to the USA and several OECD countries. Their results indicated only...

...that is, from output to public capital.

Aaron (1990), commenting on Aschauer's (1989a) work, rejected the estimates of the productivity of public capital (at around 60 per cent) believing them to be too high[6]. He attributed the implausible estimates to time - series analysis in level form, which he proposed is dominated by trend.

Similarly, Tatom (1991a) and Holtz-Eakin (1992) focus mainly on the aggregate time series and claim that estimation should be in first-differenced form because the data are not...a result of including the energy prices or time trend (1991a, p. 12). He thus rejected the Public Capital Hypothesis. Hulten and Schwab (1991) and Jorgensen (1991) also find the relationship...

...the impact of infrastructure on output has been positive and statistically significant, proponents claim, lends credibility to the argument. However, the issue is still one of considerable debate.

The third criticism...

...with the use of instrumental variables. Aaron (1990) proposed direct modelling and testing. It seems plausible that stronger growth in per capita income would be associated with population growth and higher... parameters is often difficult, due to the presence of multicollinearity. Multicollinearity results in high standard errors of the coefficients, which may cause difficulty in their interpretation. The usual response is to impose a restriction of constant returns to scale. In terms of equation 4, this is captured by setting  $[\alpha] + [\beta] = 1$ . Imposing this ...

...estimation of equation 6 requires that all the variables entering the equation have certain statistical time series properties. In particular, the error term must have a distribution with a mean of zero...

...in which case the variables can be entered in levels. The recent advance in econometric time series literature, associated with Sims, Sargan and Hendry, is concerned with testing for long-run

relationships...

...ECMs), associated with Hendry.

The literature on cointegration is well known and standard in most time - series econometric books. The basic idea of cointegration is that if, in the longrun, two series...offset each other to give a stationary linear combination.

Several authors have remarked that the time - series variables used in testing the Public Capital Hypothesis are non-stationary, and the results may...a VAR of the first difference.

In summary, if, as is typical for some macroeconomic time series, the variables in equation 6 are first-difference stationary, they are integrated of the order...

...cointegrating relationship among the variables entering equation 8. The null hypothesis of non-cointegration is rejected in favour of the alternative that cointegration exists. Assuming that  $r$ , the number of cointegrating...

...capital has no statistical significant relationship with private sector output. Hence, the results imply a rejection of the public capital hypothesis for Ireland.

There are several reasons which can be suggested...the insignificance of the public capital input. Thus, the public capital hypothesis continues to be rejected.

Finally, we estimate a structural model which included the capacity utilization term, and additional lags...

...variables play a major role in explaining this adjustment.

In summary, the results suggest a rejection of the public capital hypothesis for Ireland. The coefficient on public capital is statistically insignificant...

...this paper was to investigate the relationship for Ireland by employing recent advances in econometric time series literature including testing ...the return on private capital where a one unit increase would lead to a 0.13 unit increase in output.

7. Dickey and Fuller (1981) propose the following test statistic [ $\tau$ ...12. Central Statistics Office (1991, National Income and Expenditure, Stationary Office, Dublin (and earlier editions).

13. Dickey, D.A. and Fuller, W.A. (1979, "Distribution of the estimators for autoregressive series...

...31.

14. Dickey, D.A. and Fuller, W.A. (1981, "Likelihood ratio statistics for autoregressive time series with a unit root", *Econometrica*, No. 49, pp. 1057-72.

15. Duffy-Deno, K.T...

...of Reckoning, Random House, New York, NY.

24. Fuller, W.A. (1976, Introduction to Statistical Time Series, John Wiley, New York, NY.

25. Granger, C.W. (1988, "Some recent developments in a...  
...Statistics, No. 51, pp. 213-18.
28. Harvey, A.C. (1990, The Econometric Analysis of Time Series , 2nd edition, P. Allen, London.
29. Harvey, A.C. (1993, Time Series Models, 2nd edition, Harvester Wheatsheaf, London.
30. Henry, E.W. (1971, "Estimation of capital stock...53. Phillips, P.C.B. and Perron, P. (1988, "Testing for a unit root in time series regression", Biometrika, Vol. 75, pp. 335-46.
54. O'Reilly, L. and Nolan, B. (1979...  
...B. (1983: "Government capital and the production function for US private output", Economic Letters, Vol. 13 , pp. 213-17.
56. Slattery, D.G. (1975, "Fixed capital stock estimation: an empirical exercise...  
...of the items of GPCF fall into the other building and construction category. This seems plausible since most of the public sector capital formation is made up of buildings and other...  
...capital is remunerated based on its marginal productivity. The second is assumed to hold if accurate estimates of the asset's average life, scrapping rate and depreciation function are available.
- A...8; Element 8; 9; Element 9; 10; Element 10; 11; Element 11; 12; Element 12; 13 ; Element 13 ; 14; Element 14; 15; Element 15; Table III; Summary of unit root tests using the...

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**USPTO Full Text Retrieval Options**

17/K/5 (Item 5 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02396971 117542160

**Bias in the development and use of an expert system: implications for life cycle costs**

Shore, Barry

Industrial Management + Data Systems v96n4 pp: 18

1996

**ISSN: 0263-5577 Journal Code: IDS**

**Word Count: 5557**

**Text:**

...The system would speed the learning process of underwriters, maintain consistency in underwriting decisions, and eliminate much of the tedious work in the annual process of negotiating renewal contracts with customers

...For example it would be expected that development of a knowledge-base to accept or reject employee expense accounts, within a well-structured reimbursement plan, would likely incur less KE bias...

...this process, the way in which it is validated may introduce biases that may either reject an effective model or accept an ineffective one. This issue was recognized by O'Keefe...

...the knowledge base.

When the user concludes that the system is inappropriate, it may be rejected and a request made that the system undergo maintenance and revalidation. Or the user may...

...change in a business segment and ignore this change in the process of preparing a quote. Furthermore, the underwriter might be less willing to negotiate with customers for lower rates. This...

...Accommodating different end-user cognitive styles.

- Documentation and training.

#### Perceptual and behavioural elicitation techniques

Cleaves[ 13 ] suggests that an effort by the KE to identify SME bias and correct for it...would be quickly reflected in the knowledge-base and improve control over KE bias by eliminating intermediary steps performed by ...its shortcomings. Based on several experiments, Lehner[9] concluded that when end-users possess an accurate mental model of the expert system and its objectives, expert system performance will remain high...

...context of this paper, Lehner is suggesting that training increases awareness of the subject matter domain and can reduce Type I error.

Users also need to be aware of shortcomings. For example, if an underwriting system is...

...through re-engineering and outsourcing, changes from a blue-collar to a white-collar workforce, quotes to that customer for renewal of workers compensation plans may not be competitive. To the...

...to modify its recommendations to acknowledge this missing factor. Without the proper training, underwriters might reject the system because it does not accommodate this factor. Furthermore, they may be less inclined ...it will be that maintenance will need to focus on new changes in the problem domain, not changes in the fundamental relationships originally captured in the knowledge-base. But a focus...

...decision needs to be made between higher development costs upstream and higher management and decision error costs downstream.

#### Management costs

Management costs include the cost of regularly scheduled maintenance, the cost...

...and the cost of maintaining expertise in the organization. Maintenance costs for applications whose problem domain changes over time can be high. For example, In DEC's XCON application, 40 programmers...

...needs to be carefully developed and the costs of maintenance balanced with the consequences of errors or bias associated with less aggressive,

but less costly, maintenance efforts.  
Decisions must also be...

...the life of the ES, that would be expected if an acceptable ES were inappropriately rejected. Either the user will proceed using less than expert help, or changes will be unnecessarily...to auditing and accounting expert systems", Decision Sciences, Vol. 18, Summer 1987, pp. 468-86.

13 . Cleaves, D.A., "Cognitive biases and corrective techniques: proposals for improving elicitation procedures for knowledge...

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**Dialog eLink:**

**DSPTO Full Text Retrieval Options**

17/K/6 (Item 6 from file: 15)

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02326766      107834516

**International property portfolio strategies Problems and opportunities**

Lizieri, Colin; Finlay, Louise

Journal of Property Valuation & Investment v13n1 pp: 6-21

1995

**Journal Code:** PRVF

**Word Count:** 6747

**Text:**

...property market has low average correlation which implies that a large portfolio is required to eliminate specific risk.

- arge lot size: unlike equities and bonds, the direct purchase of property assets...that have experienced (exceptionally) high returns in the recent past - even though these may be errors in a statistical sense - and thus generate positions that would be unacceptable to any prudent...

...and Grauer, 1991). The results generated often appear counter-intuitive and hence may often be rejected. However, strategic investment decisions are increasingly informed by formal quantitative techniques. Despite these technical difficulties, the scale of international financial markets is such that one would expect to see more widespread use...obtain; it is rare that data will be of good quality and with a long time - series. Furthermore, there may be comparability problems caused by differences in ownership and legal structures, valuation...

...without a local partner at a relative disadvantage. Finally, the absence of regularly produced and accurate market capitalizations makes the construction of a benchmark world real estate performance index highly problematic...

...the events in the London office market. Even where an overseas market has reasonable quality time - series information, differences in definitions and market structures may make comparison problematic and unreliable.

- Ex post...the assumptions of the model: portfolio theory is an expectations-based theory; Sharpe's oft-quoted dictum that historic returns may tell us something about covariance, less about risk and virtually...federalism: implications for regional diversification", Journal of Property Valuation & Investment, Vol. 12, pp. 59-73 .

13 . Chollerton, K., Pieraerts, P. and Solnik, B. (1986), "Why invest in foreign currency bonds?", Journal...

...estate: can theory justify it?", Journal of Portfolio Management, Vol. 10 No. 2, pp. 6- 13 .

20. Friedman, H. (1970), " Real-estate investment and portfolio theory", Journal of Financial and Quantitative...pp. 5-32.

43. Madura, J. (1985), " International portfolio construction", Journal of Business Research, Vol. 13 , pp. 87-95.

44. Mueller, G. and Ziering, B. (1992 ), "Real estate portfolio diversification using...

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**Dialog eLink:**

**USPFO Full Text Retrieval Options**

17/K/7 (Item 7 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02326730      86926449

**A review of overall models for maintenance management**

Sherwin, David

Journal of Quality in Maintenance Engineering v6n3 pp: 138-164

2000

**ISSN: 1355-2511 Journal Code: QMGR**

**Word Count: 11159**

**Text:**

...maintenance, provided that they are competent in the modelling techniques discussed above and use relevant, accurate data, together with sound engineering and commercial judgement, to reach rational calculated decisions in consultation...

...factored in. A principal argument in favour of detailed data and integrated IT is that accurate , unchallenged data are available to anyone with the skills to analyse and interpret them for...

...making a new part to fit or repairing the old one. Moreover, repair rather than discard of assemblies was the order of the day, and the basic structures were either themselves...her hull.

Diagnosis and repair

Thomas Jefferson (1785) noted that musket parts were being made accurately enough to be interchangeable. The initially slow but accelerating development of this concept of spare...with external and internal

partnerships' "positive co-operation" as the latest trend. This is fairly accurate for the English-speaking countries, Western Europe, Scandinavia and possibly elsewhere in respect of the...designed to support the MBO-based theories of management, which are about control and the elimination of supposedly inappropriate functions and enterprises, whereas in a TQM/terotechnology/LCP-supporting IT system...machine bathtub curve (ROCOF v. machine age) is inherent, when it is obviously shaped and scaled by the maintenance policy, and should not therefore be used to set the policy. More...

...with apparently Poisson failure patterns at the machine and system levels. This was an excusable error in 1960, given the state of the art of reliability theory, but has since been...made a mistake last time".

If the failures come in bunches on a calendar time- scale , bad work or bad spares are the most likely explanations, in that order. On a...

...are awaited and analysed, it becomes clear that there are two modes, one for the errors and one for the true failures. Figure 6 shows various patterns of serial correlation which...a declining quality of decision making induced by a combination of hurry and paucity of accurate and appropriate information. This leads to downsizing, corporate re-engineering and all the rest of...

...calculations, the input data must become more detailed, so that the modelling can be more accurate and the answers sufficiently precise to choose rationally between alternative policies.

The overall integrated company...

...1973), Maintenance Replacement and Reliability, Pitman, London.

12. Jefferson, T. (1785), Letter to John Jay ( quoted by Durfel, W.F., Journal of the Franklin Institute, Vol. 137 No. 2, 1894).

13 . Jonsson, P. (1997), "The status of maintenance management in Swedish manufacturing firms", Journal of Quality...

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**Dialog eLink:**

**DSPTO Full Text Retrieval Options**

17/K/8 (Item 8 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02326729

86926448

**An ARTMAP neural network-based machine condition monitoring system**

Knapp, Gerald M; Javadpour, Roya; Wang, Hsu-Pin (Ben)

Journal of Quality in Maintenance Engineering v6n2 pp: 86-105

2000

ISSN: 1355-2511 Journal Code: QMGR

Word Count: 6921

**Abstract:**

...are described. The system was able to identify the presence of fault conditions with 100% accuracy on both lab and industrial data after minimal training; the accuracy of the fault classification was greater than 90%.

### Text:

...point measurements such as temperature, pressure, etc.). They found that the network was capable of accurate recall and excellent generalization from training examples. Ungar et al. (1990) utilized a back-propagation...

...the network to learn contextual information; thus the network was able to maintain excellent classification accuracy even when load demand within the boiler was changing rapidly. Knapp and Wang (1992) studied...

...using vibration data. The network was able to classify the fault conditions with 100 percent accuracy after training on only a small set of examples. Becraft and Lee (1993) studied the...

...purpose, the neural network with 30,000-iteration training was used and provided 99 percent accuracy in identifying causes of the failures of hydraulic forging presses.

In this paper, we describe...parameter. The higher the vigilance, the less variance will be tolerated before a hypothesis is rejected.

The vigilance test is implemented via top-down propagation of the activation at F2. To...

...the normalized input pattern is calculated. If the vigilance test fails, the fault hypothesis is rejected and the selected F2 node is forced to have zero activation. A search is then...in the amplitudes of vibration frequencies.

Raw vibration data (collected through accelerometers) are actually a time series of displacement, velocity, or acceleration values of the machine being measured. For diagnostics of rotating...

...is the case with ARTMAP.

However, this assumption is violated in the case of frequency domain vibration data. A PSD signal describes the original time series data by an ordered set of discrete frequency bins, with the value of each bin...acquired and transformed from a continuous signal, and that there is always some measurement/processing error, which causes leakage of actual underlying frequency components into nearby frequency bins. This is due...

...Thus, we would either have to find training samples for all possible levels of such errors for all the faults (defeating a significant benefit of the neural network, its ability to...PSD does not lose the information on where the peak lies. As a result, classification accuracy is significantly improved over the unfiltered case. The 16 percent signal, however, significantly shifts even...of each fault class (for a total of six training examples) yielded 100 percent classification accuracy of the test set.

### Misalignment faults

In the previous section discussing implementation, we described the...



...Table II. When trained with only two samples in each category (normal and misalign), classification accuracy was about 85 percent. Increasing the number of training patterns to four in each category raised the classification accuracy to 91 percent. The missed alarms occurred at the 45' misalignment level, while the false...

...5 percent with 2 percent a close second. It is likely that the smoothing helped eliminate some of the minor vibration signature variations across the two bearings, thus improving classification.

Switching of false alarms. This type of error is best reduced by techniques aimed at eliminating between-sample noise, such as averaging a number of independent signal PSDs together to form...

...the mounting fault.

The overall performance of the network for all datasets was excellent. Classification accuracy both prior to and after failure initiation was approximately 90 percent across all samples. In...

...presses in China", International Journal of Production Research, Vol. 33 No. 7, pp. 1939-51.

13 . Lyon, R.H. (1987), Machinery Noise and Diagnostics, Butterworths, Boston, MA.

14. Moore (1990), "ART...

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**USPTO Full Text Retrieval Options**

17/K/9 (Item 9 from file: 15)

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02325183          86065739

**Analytical procedures for new and matured industries**

Teck Min Choo; Meng Keong Chua; Chee Boon Ong; Theong Hee Tan

Managerial Auditing Journal v12n3 pp: 123-134

1997

**ISSN:** 0268-6902 **Journal Code:** MAJ

**Word Count:** 7286

**Text:**

...Theong Hee Tan: Nanyang Business School, Nanyang Technological University, Singapore

Statement of Auditing Guideline (SAG) 13 [Analytical Procedures] defines analytical procedures as the analysis of significant ratios and trends including the resulting investigation of unusual fluctuations and items. SAG 13 requires auditors to use analytical procedures both in the planning and in the overall review...facts that are not willingly disclosed by the client management.

## Extensiveness of analytical procedures

SAG 13 states that the extent of reliance on analytical procedures depends on: the strength of the internal controls of the entity, the accuracy with which the expected results of analytical procedures can be predicted, other audit procedures directed...

...Autoregressive Integrated Moving Average (ARIMA) model. ARIMA is a statistical approach that involves developing a time series model based on data over several periods. However, ARIMA is being used to a lesser... that are commonly used. The two most commonly used approaches to ratio analysis are the time series approach and cross-sectional analysis. A time series approach to ratio analysis compares financial ratios across a number of periods, while cross-sectional...the audit of firms in a new and matured industry by means of a frequency scale from 1 to 5, where 1 represents "most frequently" and 5 denotes "least frequently". These...

...and is the dependent variable in the test of Hypothesis 2. In questions 12 and 13, the respondents are asked to gauge the relative effectiveness of analytical procedures when used in...

...of firms in new and matured industries by indicating the probability of detection of material errors after an investigation initiated by analytical procedures. A probability of 0.00 indicates "no chance", while a probability of 1.00 denotes "for certain" that material errors are subsequently detected after an investigation triggered by analytical procedures. These probability scores serve as...

...client companies were all from a new industry or a matured industry had to be eliminated. The resulting paired t-test indicated that the proportion of total audit hours spent on...

...with firms in a new industry ( $t = 1.9$ ,  $p < 0.04$ ,  $d_{\text{sub}}f = 13$ ). Owing to the small sample size and thus the difficulty in assuming normality, the analysis...

...trend analysis methods such as percentage change from prior periods, a regression model and a time series model.

The average frequency rankings of the respondents for the two categories of analytical procedures...the first test, respondents were asked to indicate, for both industry categories, how often material errors are detected after an investigation initiated by the use of analytical procedures. The scale they were given ranged from 0 ("no chance") to 1 ("for certain"), with intervals of 0.1. The implication of this test was that a higher chance of detecting material errors from the use of analytical procedures implied greater effectiveness. The results of the first test...

...7264,  $p < 0.04$ ) indicate that the respondents' judgement of the probability of detecting material errors, after an investigation initiated by analytical procedures, was significantly higher for firms operating in a...

...to be equally effective for firms in both types of industries. A chi-square test rejected the hypothesis that the proportions were equal ( $\chi^2 = 14$ ,  $d_{\text{sub}}f = 2$ ,  $p = 0.008$ ). Institute of Certified Public Accountants of Singapore (ICPAS) (1991, "Statement of auditing guideline (SAG) 13: analytical procedures", Members' Handbook Volume II, Singapore..

9. Konrath, L. (1990, "Audit risk assessment: a...

...B.G. (1985, A Random Walk down Wall Street, Norton, New York, pp. 82-3.

13 . Petty, J.W., Keown, A.J., Scott, D.F. Jr and Martin, J.D. (1994...  
have described in question 3, do you consider it a new or matured industry?  
(Please tick the appropriate box.)

New Matured

Company 1

Company 2

Company 3

(5) For each of...would potentially face higher inherent risk factors  
than an entity in a matured industry. (Please tick the appropriate box.)

Disagree Somewhat disagree Neutral Somewhat agree Agree  
0.00 0.10 0...

...analysis

Percentage change from Percentage change from prior periods prior  
periods

Regression model Regression model

Time series model Time series model

Others. Please specify...firms in new industries, how often are material  
errors subsequently detected after an investigation? (Please tick the  
appropriate box.)

No Slight Fair Good Strong For chance chance chance chance  
chance certain...

...30 0.40 0.50 0.60 0.70 0.80 0.90 1.00

( 13 ) When potentially problematical areas are highlighted by the use of  
analytical review procedures in the...

...firms in matured industries, how often are material errors subsequently  
detected after an investigation? (Please tick the appropriate box.)

No Slight Fair Good Strong For chance chance chance chance  
chance certain of industry? (Please tick the appropriate box.)

(a) New business industry

(b) Matured business industry

Why do you think...

...40 0.50 0.60 0.70 0.80 0.90 1.00

(17) Please tick the appropriate box indicating the appointment you are  
currently holding.

Junior Senior Supervisor Manager Partner...

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17/K/10 (Item 10 from file: 15)

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02247930      84987310

**Management information system for the promotion of safety in shipping**

A. Goulielmos; E. Tzannatos

Disaster Prevention & Management v6n4 pp: 252-262

1997

**ISSN: 0965-3562 Journal Code: DPMG**

**Word Count: 5352**

**Text:**

...fortunate role of Daniel Defoe's hero has always depended on the disposal of timely, accurate and adequate information. Today, the achievement of these criteria is subject to the standard of...improvement of safety, availability and costs through:

- "tuned" preventive maintenance;
- increase of time between failures;
- elimination of spares unavailability or overstocking;
- reduced down-time of technical components.
- provision of expert decision...follows:
  - -real-time (immediate) for voice, telex and store-and-forward video,
  - -9,6 kbps[ 13 ] for fax,
  - -64 kbps for High Speed data.
- utilization of existing SES technology as follows...

...aided maintenance packages at shore and onboard. Therefore, apart from a limited expenditure towards the probable upgrading of computer equipment, significant cost considerations apply only to the information transfer component of...

...correct procedures are followed for establishing the desired communication links. The MIS should be designed to reject wrong data entries and procedures. Furthermore, it is a well-accepted fact that humans as...on type and time of transmission.

16Depends on provider's pricing policy (note that prices quoted are for Greece).

**References**

1. Beetham, E.H. (1995, "The ISM Code - the human factors...advanced communications links", paper presented at The Motorship's 18th International Marine Propulsion Conference, Hamburg..

13 . Millar, L.C. (1980, "The need for a structured policy towards reducing human factor errors...

...Fairplay, 27 March..

Caption: Figure 1; Dependence of decision making on information; Table I; Human error participation in P&I claims 1987-1991; Figure 2; Claims of two P&I clubs...

...network in support of Management Information System; Figure 4; Interfacing of communication network for internal domain of MIS; Figure 5; Multimedia computer station at MIS user terminal; Figure 6; Internal domain of Management Information Systems; Figure 7; Decision making and maintenance policy in MIS environment

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17/K/11 (Item 11 from file: 15)

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02244421 84987572

### **The use and representational faithfulness of graphs in Australian IPO prospectuses**

Mather, Paul; Ramsay, Alan; Steen, Adam

Accounting, Auditing & Accountability Journal v13n1 pp: 65-83

2000

**ISSN:** 0951-3574 **Journal Code:** AAJ

**Word Count:** 8200

**Text:**

...most important. The GDI is an operational measure of the extent to which growth in time - series data is distorted and is therefore appropriate for this purpose[3]. In addition, graphs in...the prospectus was issued, and whether it contained graphs. All prospectuses were checked for any time - series financial information (either historical or prospective) which could have been graphed. Three years of data...significantly more likely when the company's profit trend is positive. Thus H1 can be rejected .

Panel B of Table III considers the relationship between the trend on profit and the...

...variables than are companies with a negative trend of profit[11]. Thus, H1 can be rejected for these variables. However, panel B also shows that the company's profit trend has...

...to include graphs of any key financial variable in their prospectuses. Thus H1 can be rejected for these variables and for this ...graphs of key financial variables exists ( $w[\sup]2 = 4.44^{**}$ ). Thus H1 can be rejected for this industry category and set of variables. Of the 29 mining companies whose prospectuses...

...relation to graphs in Australian annual reports, where overstatement was slightly more common than understatement[ 13 ].

This paper is the first to measure distortion in graphs of variables other than key...

...distortion is shown to be as likely as unfavourable (Panel A). Thus H2 cannot be rejected .

In order to allow comparison with prior research which had measured GDIs only for key...

...other variables. Panel B shows that, for graphs of key financial variables, H2 can be rejected . Unfavourable distortion is significantly more likely than favourable distortion (1 per cent level). This contrasts ...

...Panel B also shows that, in relation to graphs of other variables, H2 can be rejected . Favourable distortion is significantly more ...by key financial/other variables and sub-period (Panel C). For other variables, H2 is rejected as favourable distortion is significant at the 5 per cent level in the pre-1991...

...in greater care in the preparation of prospectuses. For key financial variables, H2 can be rejected only for the post-1991 sub-period. Significant unfavourable distortion is found. An explanation for...

...mining companies including graphs in their prospectuses.

## 6 Conclusions

Results show significant selectivity. H1 is rejected overall, for graphs of key financial variables and for the pre-1991 sub-period, but...

...no significant overall relationship between performance and distortion in the graphs (H2 could not be rejected ). However, when the graphs were split between key financial variables and other, H2 was rejected . For graphs of other variables, overall and in the pre-1991 sub-period a significant...

...7. The GDI was not calculated for pie graphs which are not useful for portraying time - series data.

8. Of the sample of 484 prospectuses, 107 were issued before 31 December 1985...14.6 per cent) after that date.

10. In the post-1 January 1991 period, 13 major underwriters were involved in 70 per cent of the prospectuses using graphs. However, in the pre-1 January 1991 period these 13 (or their predecessors) were involved in only 47 per cent of the prospectuses using graphs...

...GDI, negative and positive values of GDI are offset. Moreover, the GDI has an arithmetic scale ranging from -100 to !. The asymmetric scale is likely to bias the mean GDI in the presence of outliers (large, positive values). The authors are in the process of developing a mean absolute log GDI which overcomes these problems.

13 . Steinbart (1989) proposed and used a 10 per cent cut-off for measuring distorted graphs...

...underpricing: signals of IPO firm value", Pacific-Basin Finance Journal, Vol. 1, pp. 47-65.

13 . Johnson, J.R., Rice, R.R. and Roemmich, R.A. (1980), "Pictures that lie: the...16, pp. 407-45.

22. Steinbart, P.J. (1989), "The auditor's responsibility for the accuracy of graphs in annual reports: some evidence of the need for additional guidance", Accounting Horizons...

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17/K/12 (Item 12 from file: 15)

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02236429      82395385

**Relationship between land values and uses in Sydney's central area**

R.T.M. Whipple

Journal of Property Finance v06n4 pp: 63

1995

ISSN: 0958-868X Journal Code: JPPF

Word Count: 14239

**Text:**

...combines its constituent functions is one determinant of its location. Over time, an establishment may discard or relocate one or more of its functions. A legal firm, for example, may relocate...visual checking.

The land use data were extensively edited and checked. Although certainly far from accurate, it was felt that some measurement errors were cancelled out since the classification system comprises...in this position for one or more of the three years. The resulting three by 13 matrix yielded a value for W of 0.322; the associated  $X^2$  value...the most important functions are administration, retailing and financial which take up 19, 15 and 13 per cent respectively. Using these measures, the central area is revealed as a predominantly administrative...is not unique. The reader is referred to the pioneering work of Bunge [11,12, 13] and Ratcliff [2]. Bunge argues that location is a quality or variable which has a...indicated that the observations are subject to broad grouping or clustering along the areal moment scale. Despite the use of a large number of transformations, none of the series could be transformed to normality. The use of product moment correlation is, therefore, invalid. The alternative usually chosen under this circumstance is a non-parametric measure of association such...

...s coefficient of rank correlation. This "degrades" the data from a ratio to an ordinal scale: the relative differences between successive observations are not taken into account since this is a characteristic of an interval scale. As Carroll [16] has pointed out in a most important article, rank correlation is not...

...The problem of extreme deviations often is encountered in the correlation of cyclical components in time series. Recognizing this difficulty, Gressens and Mouzon [17] suggested a coefficient based on first

moments rather...

...moment correlation (r). Croxton and Cowden[19 ] also suggested its use in the study of time series . Designated by the symbols C2, its formula is as follows: Equation (8)

where:

s is...test statistic was 343.9 which, with 24 degrees of freedom, is far into the rejection region. We conclude, therefore, that the observations are consistent with the hypothesis that the equally...

...weighted values produced a test statistic of 474.4. Once again the null hypothesis is rejected and we conclude that the weighted values are consistent with the alternative hypothesis that they...

...deviate is so large that the null hypothesis of no difference from random may be rejected .

Land uses grouped by similar land values

A natural extension of these results is to...of the Sydney University Law School were regarded as atypical for the central area and deleted from consideration, education would doubtless have been classified as a member of floor level group...not unique", Annals of the Association of American Geographers, Vol. 56, 1966, pp. 375-6.

13 . Bunge, W., " Gerrymandering, geography and grouping", Geographical Review, Vol. 56, 1968, pp. 256-63 .

14...

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17/K/13 (Item 13 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02065714      60389563

**The effects of internal audit outsourcing on perceived external auditor independence**

Lowe, D Jordan; Geiger, Marshall A; Pany, Kurt  
Auditing v18 pp: 7-26  
1999

**ISSN:** 0278-0380 **Journal Code:** APT

**Word Count:** 8374

**Text:**

...external auditor would, in part, be attesting to the quality of his own work (as quoted in Rittenberg and Covaleski 1997).

Further, the Institute of Internal Auditors (IIA) believes that a...



...1997). The AICPA explicitly addressed this issue and set forth guidelines in its Interpretation 101- 13 Under Rule of Conduct 101, Extended Audit Services (AICPA 1997a; see also, Anderson 1996). This... independence, financial statement reliability, and a loan decision?

Under the new guidance in Interpretation 101- 13 , auditors who perform the outsourced internal audit procedures cannot act or appear to act in...our independent measure we examined current practitioner and academic literature, and referred to Interpretation 101- 13 to determine precisely the language that specifies when auditors are (or are not) performing management...

...management functions as part of the outsourcing arrangement is specifically not allowed under Interpretation 101- 13 . Regarding the performance of management functions, the description indicated that the work of the CPA...of whether specific staffing arrangements differentially affect financial statement users, and thus whether Interpretation 101- 13 should be expanded to specifically address staffing issues as a means of enhancing users' perceptions...

...for subjects who failed the manipulation checks were omitted from all analyses and results presented. 13

#### Dependent Measures

The AICPA suggests that independence-related research should utilize dependent measures that examine (1) confidence in the independence of auditors, (2) perceptions of financial statement accuracy and reliability, and (3) discretionary decision making by financial statement users (AICPA 1997b). We followed...

...statement reliability questions.

#### Loan Decision

Loan officers were asked to make either an "approve" or " reject " recommendation on the loan application. It is expected that in situations for which less auditor...

...4.17,  $p = .008$ ), whereas the unintentional misstatements measure was only marginally significant ( $F = 2.13$  ,  $p = .100$ ). Finally, there was a great disparity of loan acceptance rates resulting in significant...

...Outsourced group (50 percent), in which loan officers were evenly split as to accepting or rejecting the loan request. Taken together, these results indicate that financial statement users have decidedly negative... Public Accountant Report 1996c).

The results also support the AICPA's position (see Interpretation 101- 13 ) that if public accountants are associated with their client's internal audit activities, then they...problems crossing certain factors and difficulty (and cost) of obtaining sufficient data.

12 Interpretation 101- 13 specifically noted certain examples of activities that, if performed as part of an extended audit...

...a member's independence. We chose two of these examples as part of our manipulation.

13 Statistical analyses were run both with and without those who missed the manipulation-check questions...  
...80,  $p = .028$ ).

16 ANOVA assumes equal variances across the designated groups and that the error terms are ...were clearly not normally distributed as the dependent measures were gathered using 11-point Likert scales . But, as Glass and Stanley (1970), Lunney (1970), and Neter et al. (1985) indicate, the...

...10-15.

American Institute of Certified Public Accountants (AICPA). 1997a. Extended Audit Services. Interpretation 101- 13 Under Rule of Conduct 101. Journal of Accountancy (August): 111.

. 1997b. Serving the Public Interest...

...In-house auditors vexed by CPAs seeking outsourced work. Accounting Today (September 11-24: 6, 13 .

1996. Internal auditors push AICPA on outsourcing ethics. Accounting Today (May 20-June 2): 14...1997. Stamford, CT: POB.

Rankin, K. 1995. CPAs chided on outsourcing. Accounting Today (December 11-13 ): 3. Rigdon, J. E., and J. S. Lublin. 1995. Call to duty: Why Morrison board fired Agee. Wall Street Journal (February 13 ): B1, B4. Rittenberg, L. E., and M. A. Covalleski. 1997. The Outsourcing Dilemma: What's...

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17/K/14 (Item 14 from file: 15)

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02038533 55497650

**Public utility regulation in the U.S. and asymmetric return responses to positive and negative abnormal earnings**

Nwaeze, Emeka T

Multinational Finance Journal v2n4 pp: 269-293

Dec 1998

**ISSN:** 1096-1879 **Journal Code:** MFJ

**Word Count:** 6870

**Text:**

...asymmetric information content for losses and profits by requiring early recognition of current and future probable losses but no recognition of future probable gains. The asymmetry in timing the recognition of losses and profits, in turn, gives rise...to ensure that the actual profit rate (APR) is consistent with the MPR and to eliminate wealth transfers between owners and ratepayers. If the process is applied strictly, then departures of...FAS 71 if an existing condition, such as deregulation, renders recovery of such assets improbable.

13 . FACs have become an important component of the rate process. For example, by 1974,65...

...less risky than small firms. Hence, they have lower expected returns.

20. A firm was eliminated if (1) the IR offered no rewards for superior performance but imposed a penalty for...

...same whether return is defined as the change in price inclusive or exclusive of dividends scaled by beginning-period price or as market model prediction error .

22. If a utility operates in two or more states that grant different rates of...and Economics 24 (December): 3-37. Baumol, W. J. 1968. Reasonable rules for rate regulation: plausible policies for

an imperfect world. In prices: Issues in theory, practice, and public policy, edited...

...July): 139 - 157.

Brooks, L. D. and Buckmaster, D. A. 1976. Further evidence of the time - series properties of accounting income. Journal of Finance 31 (December): 1359-1373.

Bryan, S. and Hwang, L...

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17/K/15 (Item 15 from file: 15)

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02026059            53832620

**Textualism's failures: A study of overruled bankruptcy decisions**

Bussel, Daniel J

Vanderbilt Law Review v53n3 pp: 887-946

Apr 2000

**ISSN:** 0042-2533 **Journal Code:** AVL R

**Word Count:** 21038

**Text:**

...and penalties that are "not compensation for actual pecuniary loss."<sup>12</sup> In so doing, Kelly quoted United States v. Heirs of Boisdore: "In expounding a statute, we must not be guided...

...but look to the provisions of the whole law, and to its object and policy." <sup>13</sup> Kelly proceeded to resolve the question against discharge relying on pre-Code law concerning discharge...that settled issues of law should not generally be reopened, is one explicit limit on Scalia's rigorous textualism. Scalia acknowledges that the Supreme Court has not always adopted textualist interpretations, and he concedes that...

...precedent is impossible, and would be irresponsibly destabilizing if it were possible.<sup>18</sup> In addition, Scalia would not apply the text as written

if doing so, in his judgment, would lead to an absurd result or if he were convinced that a scrivener's error had occurred. Scalia considers these latter exceptions narrow. Poor draftsmanship is not "scrivener's error," and unfortunate, unfair, or unreasonable results are not "absurd."<sup>19</sup>

Scalia is especially, obsessively scornful...a 5-4 decision, found that the fifth of the seven commas in the sentence quoted above allowed the IRS to collect interest.<sup>35</sup> The Court first announced its method of...deliberation, and direct experience in administering statutes. Textualists respond by noting that if textualism produces errors, those errors can be readily overcome by new legislation. They also suggest that pragmatists err too, or ...

...direction of their apparent adversaries,"<sup>43</sup> frankly seems pollyannaish. It is extremely unlikely that Justice Scalia will bow to any imaginable empirical evidence on these points. Many textualists appear more deeply... Judges, United States Trustees and Family Farmer Bankruptcy Act of 1986.<sup>88</sup> The technical amendment deleted the phrase "or to an assignee of such contract" leaving the critical provision to now...

...in the face of strongly critical cases from several bankruptcy courts and the First Circuit rejecting its holding and finding that the true meaning (if not the literal language) of the...overruled group where 48 percent of the cases could be characterized as debtor victories and 13 percent as trustee victories. In the control group the comparable percentages are 35 percent and...

...significant relationship between Bankruptcy Code chapter and incidence of overruling, but the results suggest Chapter 13 cases may be somewhat more likely to be overturned. Note that twice as many Chapter 13 cases appear in the overruled group as in the control. The chi-square test establishes...

...Chapters 9 and 12 data). While the disproportion observed in the number of overruled Chapter 13 cases therefore fails to meet conventional standards of statistical significance, the observed disproportion is substantial enough to warrant further investigation. One reason to expect an over-representation of Chapter 13 cases in the overruled group is that Chapter 13 cases are less likely to be appealed to the Courts of Appeals and therefore under...

...nning suggested that another reason to expect more superseding amendments arising out of the Chapter 13 cases is that Chapter 13 was engrafted upon a Bankruptcy Code drafted primarily with reference to the long experience and...carefully drafted Code.

#### APPENDIX I

#### APPENDIX II

#### APPENDIX III

1. Menahot 29b as translated and quoted in ELIOT N. DORFF & ARTHUR ROSETT, A LIVING TREE: THE ROOTS AND GROWTH OF JEWISH...  
...of the twentieth century, has used a broad range of interpretive sources that cannot be accurately described as textualist or originalist. His empirical work, however, does not directly attempt to compare...U.S. 198 (1983) (relying on legislative history, pre-Code practice, and reorganization policy in rejecting literal interpretation of 541(a)); Midlantic National Bank v. New Jersey Department of Environmental Protection...

...U.S. at 54-55; see also 11 U.S.C. 523(a)(7) (1994).

13 . Kelly, 479 U.S. at 43 (quoting United States v. Heirs of Boisdore, 49 U...

...not promising; radical change is too problematic.").

23. See Lawless, note 3, supra, at 106- 13 . Compare text accompanying supra notes 10- 13 , and cases cited supra note 11, with text accompanying infra notes 25-38, and cases...but they also rely secondarily on other nontextualist sources. See Lawless, supra note 3, at 13 -19 (discussing Wolas), 50-53 (discussing Patterson); Tabb & Lawless, supra note 3, at 837 (discussing...that we get bankruptcy law right. But the vitality of our independent judiciary is not plausibly at stake. But see id. at 46-47 (essay and response of Antonin Scalia) (discussing...the enactment of Chapter 12--a novel and distinctive blend of Chapter 11 and Chapter 13 reorganizations available only to family farmers. Chapter 12, enacted in 1986, was provoked by the...

...farmers. Similarly in 1984, Congress reworked the balance between consumers and consumer lenders in Chapter 13 based on a complex compromise between these interest groups. I view the amendments to 707... power actions. AFCO appears in Appendix I even though the federal district court for Utah rejected its holding shortly before it was superseded by Bankruptcy Reform Act of 1994, Pub. L...R. CIV. P. 60(6) and the absence of conforming amendments to Chapters 12 and 13 in the Bankruptcy Amendments and ...1999).

63. See Union Bank v. Wolas, 502 U.S. 151 (1991) (holding that the deletion of the 45-day limitation on the ordinary course of business defense to preference avoidance...

...Stewart Partners, 193 B.R. 79, 82 (Bankr. N.D. Ga. 1996), asserted that the deletion of 1124(3) (which was done expressly to overrule In re New Valley Corp., 168...

...course of ensuring that Rake u. Wade, 508 U.S. 464, 475 (1993), a Chapter 13 case allowing secured parties unbargained for interest-on-interest in the home mortgage context, was... cases controlled by precedent would appear in the control group. In fact, many unpublished decisions eliminated from the cluster samples, see infra note 69 and accompanying text, were dispositions that the...

...Court precedent.

65. See DONALD T. CAMPBELL & JULIAN C. STANLEY, EXPERIMENTAL & QUASIEXPERIMENTAL DESIGNS FOR RESEARCH 13 -24 (1963).

66. United States Law Week classifies cases filed in the Supreme Court by ...in the text. After each sample was selected, the cases within the selected sample were eliminated from the database to ensure that the same case was not selected again at random...Post-reform Act remedy for Trilateral Preferences, LENDER LIABILITY NEWS, May 19, 1995, at 12- 13 .

100. H.R. 833, 106th Cong. 1.116 (1999); S. 625, 106th Cong. 1216 (1999...

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17/K/16 (Item 16 from file: 15)

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02004316 51898824

**Decisionmaking about general damages: A comparison of jurors, judges, and lawyers**

Wissler, Roselle L; Hart, Allen J; Saks, Michael J

Michigan Law Review v98n3 pp: 751-826

Dec 1999

ISSN: 0026-2234 Journal Code: MLW

Word Count: 27638

**Text:**

...and lawyers somehow acquire judgmental capabilities that juries lack, producing judgments which are somehow more " accurate ," or at least more consistent, than those provided by jurors.

B. Empirical Research on Damages...

...the studies may reflect the limitations of the measurements used as much as any random error in jurors' decisions. For example, the severity of injuries usually has been measured by grading a vast array of injuries on a scale of no more than eight or nine points<sup>38</sup> Each point on such a scale necessarily captures a range of injuries having different degrees of severity.<sup>39</sup> That jurors would...

...jurors, judges, and lawyers respond to exactly the same group of injuries, the present study eliminates the confounding of the decisionmaker with the case mix. Thus, unlike passive observational studies, the ...but judges and lawyers showed a high degree of predictability in both, then it becomes plausible to think that replacing jurors with judges would produce more stable patterns of awards.

B...a single analysis. Next, interactions among the predictors were tested. Finally, nonsignificant terms were sequentially eliminated from the model until a final model was obtained that consisted of significant interactions and interactions among the predictors and sequentially eliminating nonsignificant terms, included only those items that had a significant influence on judgments of overall...predicted they would give. One might expect the expertise of judges and lawyers to include accurate predictions of what jurors will do. We would be hesitant to make too much of...Reduced

Should the role of the jury in making general damages awards be reduced or eliminated ? Should the determination of those awards, as others have suggested in the context of punitive...

...individual judges. Without persuasive data to the contrary, entertaining a reform that would reduce or eliminate the role of juries in making damages awards seems premature.

TABLE 5:

But assuming that...awards, some of them are likely to, and identifying them can add to the predictive accuracy of the model. Finally, we can

experiment with procedural and evidentiary variations that may affect...

...stages of model development.

1. 1962-1963 HARVARD LAW SCHOOL DEAN'S REPORT 5-6, quoted in HARRY KALVEN, JR. & HANS ZEISEL, THE AMERICAN JURY 5 (1966).

2. See JEROME FRANK...

...is not just that some of them are false or misleading. Even if true and accurate, anecdotes contribute little to developing a meaningful picture of the situation about which we are...

...atypical cases goes unchallenged. Not surprisingly, the effects of the resulting policies are often unanticipated."), quoted in Brian J. Ostrom et al., A Step Above Anecdote: A Profile of the Civil...Performance of the American Civil Jury: An Empirical Perspective, 40 ARIZ. L. REV. 849 (1998).

13. Neil Vidmar, Pap and Circumstance: What Jury Verdict Statistics Can Tell Us About Jury Behavior...

...JURIMETRICS 285, 289 (1989); Valerie Hans & M. David Ermann, Responses to Corporate Versus Individual Wrongdoing, 13 LAW & HUM. BEHAV. 151 (1989); Michael J. Saks et al., Reducing Variability in Civil Jury ...T. Drechsler, Annotation, Excessiveness or Adequacy of Damages Awarded for Injuries to Legs and Feet, 13 A.L.R. 4th 212 (1981).

59. See ALBERT J. MILLUS & WILLARD J. GENTILE, WORKERS...

...requested additional information sought contextual information that we had deliber

ately withheld in order to eliminate its potential confounding effects. As discussed in Wisslet et al., supra note 27, short as...and education; and the correlations between the two sets of factors ranged from .01 to .13.

88. Familiarity with the injury might not have been significantly related to overall severity ratings...

...were asked to judge, making it more difficult to detect an effect. Second, it is plausible that knowing someone who had a serious injury has the opposite effect on severity ratings...to .21; and the correlations between the two sets of factors ranged from .01 to .13.

93. The number of years that the defense lawyers had been handling personal injury cases...judges:  $F(1,61) = 7.47$ ,  $p < .01$ . Versus plaintiffs' lawyers:  $F(1,61) = 7.13$ ,  $p < .05$ . Versus defense lawyers:  $F(1,61) = 30.88$ ,  $p < .001$ .

114. Versus judges...62 with the decisions of deliberating juries composed of those same individuals. By contrast, other plausible methods of statistically estimating the group decision had lower, sometimes much lower, correlations.

149. A...

...Us About How Juries (Should) Make Decisions?, 6 S. CAL. INTERDISC. L.J. 1, 9-13 (1998).

157. See Diamond et al., supra note 146, at 314 (finding, in a study...our own studies of damages, all using similar procedures, when each respondent

evaluated 12 or 13 cases, the R2= .74. See Wissler et al., supra note 27, at 201. When each...

...can say about these correlations.

178. See Sunstein et al., supra note 51, at 2112-13 ("It would be reasonable to react to our study by suggesting a simple reform: Juries... law. For more detailed discussion of this point, see Michael J. Saks, Enhancing and Restraining Accuracy in Adjudication, 51 LAW & CONTEMP. PROBS. 243 (1988). A rational goal would be to aim...  
...calibrate the level of uncertainty to seek its optimal level, rather than to aim to eliminate uncertainty from the litigation system.

180. Thus, we found higher reliability in awards (in terms...

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01854387      05-05379

**How reliable are recession prediction models?**

Filardo, Andrew J

Economic Review (Federal Reserve Bank of Kansas City) v84n2 pp: 35-55

Second Quarter 1999

**ISSN:** 0161-2387 **Journal Code:** EKC

**Word Count:** 8890

**Text:**

...view. During expansions when recessions are not a threat, forecasters tend to rely on large-scale econometric models to chart the future of the economy. It is well known, however, that around turning points in economic activity, these models can produce large forecasting errors (Braun and Zarnowitz). As a consequence, when an expansion might be nearing an end, small-scale forecasting models can play a critical, if not a dominant, role in predicting future economic...how sound the theoretical justification of the models, their value comes from their ability to accurately predict recessions with sufficient advance warning. This section assesses each model's historical forecast performance...

...forecasting performance

The forecasting performance of each model is examined using two measures: timeliness and accuracy. Timeliness measures how far in advance a model signals the start of a ...the onset of recession. A long lead time is preferred to a short one. 7

Accuracy measures how well predictions from the model match actual outcomes. A model is accurate if it predicts an imminent recession and one occurs, or if it correctly predicts a...

...the models are used.



In a monetary policy context, missed signals are certainly costly because accurate advance warning of recession allows policymakers to ease monetary conditions to mitigate the severity and...

...rule was roughly a year.

The CLI rules of thumb also appear to be fairly accurate at predicting recessions. The rules correctly predicted the onset of most or all of the ...

...Table Omitted)

Captioned as: Table I

The Neftci model appeared to predict recessions somewhat more accurately than the CLI rules. Chart 2 clearly shows that the Neftci model provided advance warning for all the recessions, unlike many of the CLI rules. Moreover, its accuracy in spotting actual recessions was achieved with, arguably, fewer false signals than the CLI rules...  
...rules of thumb and Neftgi's model. The Probit model results, however, show how predictive accuracy varies with the forecast horizon (Table 2). At short forecast horizons (one to three months...

...failed to spot the 1960-61 and 1990-91 recessions. Part of the drop in accuracy was due to the deterioration in the statistical and economic significance of the CLI in...signals suggests that distinguishing the strong signals from the weak ones can help improve the accuracy of recession predictions. For the Probit model, the false signals exhibited qualitatively different behavior than...

...not only signaled imminent recessions but also provided estimates of a recession's starting date, accuracy in predicting the correct starting date can be assessed. In general, the early estimates of...

...forecasting model tended to home in on the actual starting date of the recession.

The accuracy of the GDP forecasting model shares some of the same weaknesses of some of the...

...months in advance of their onset. In addition, the recession index usually followed an intuitively plausible pattern prior to recessions. Typically, the recession index tended to rise well before the onset...  
...0.

When the model sent signals of imminent recession, the signals tended to be fairly accurate. Arguably, the only false signal was a minor one that occurred prior to the 1981...

...number of false signals to decline, thus giving the impression that the model was more accurate than it was in realtime. Overall, the results are consistent with the growing body of...be fairly robust to data revisions. The model had roughly the same lead time and accuracy with real-time data as with the recently published data. However, with real-time data...

...model did send false signals of recession in the early 1980s. Those signals were subsequently eliminated when the GDP and CLI data were revised. In addition, these results do not necessarily...

...found important sensitivities of GDP forecasting to data revisions (Runkle). The earlier work focused on accuracy in forecasting GDP

magnitudes rather than forecasting recessions.

(Chart Omitted)

Captioned as: Chart 4  
Stock...

...face of data revision. A real-time analysis would require about a dozen different real-time series; which are not readily available. An alternative approach to testing the performance in real time...

...spotting some past recessions, some have sent more false signals than others, some were more accurate at certain forecast horizons, and some were more robust to real-time data than others...

...truly increase the reliability of the models is to test them further. Those models that accurately warn of future recessions deserve more weight ...danger of extinction; a relatively small upward revision of real growth in 1980:Q3 would eliminate it." Also see Grimm and Parker, Moore (1983) and Hall. GDP measures all final goods...

...performance and business cycle turning points is notoriously imprecise. As Paul Samuelson has often been quoted as saying, "the stock market has predicted nine out of the last five recessions." 12...

...extent, this article guards against overfitting by evaluating the forecast performance of the model.

Footnote:

13 The 2-quarter GDP rule is far less accurate than the popular press has suggested. GDP-based peak dates do not coincide with the...of data series would suggest. In such cases, the revised data would provide a more accurate picture of what was more generally known at the time than the real-time data...

...and Koenig (1991, 1993) who warn against using the revised CLI data to assess predictive accuracy.

Footnote:

26 Zamowitz (1992, pp. 352-53) raised concerns about the methodology and the ultimate...Business Cycle Turning Point: Two Empirical Business Cycle Model Approaches," in Philip Rothman, ed., Nonlinear Time Series Analysis of Economic and Financial Data. Boston: Kluwer Academic Publishers. 1998. "Business Cycle Durations," Journal...

...Reporter, Summer. Hamilton, James D. 1989. "A New Approach to the Economic Analysis of Nonstationary Time Series and the Business Cycle," Econometrica, March. Hamilton, James D., and Gabriel Perez-Quiros. 1996. "What...

...and Sons, Inc.

Kling, John L. 1987. "Predicting the Turning Points of Business and Economic Time Series," Journal of Business, April.

Kozicki, Sharon. 1997. "Predicting Real Growth and Inflation with the Yield A Multivariate Time Series Analysis of the Data Revision Process for Industrial Production and the Composite Leading Indicator," Pennsylvania State University Working Paper.

Wecker, William E. 1979. "Predicting the Turning Points of a Time Series," Journal of Business, January. Zamowitz, Victor. 1992. Business Cycles:

Theory, History Indicators, and Forecasting. Chicago...

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17/K/18 (Item 18 from file: 15)

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01850171 05-01163

**Windfalls**

Kades, Eric

Yale Law Journal v108n7 pp: 1489-1568

May 1999

**ISSN:** 0044-0094 **Journal Code:** YLJ

**Word Count:** 39141

**Text:**

...entitled to no less protection than any other species of property."<sup>6</sup>  
Thus, Richard Epstein accurately describes a "uniform rule [that] leaves  
the thing with its founder, without any effort to...statutory definition of  
income as "gains or profits and income derived from any source whatever."  
13

We see no reason for not giving the statutory language its natural meaning,  
as to...is making superior estimates of these fundamentals.<sup>25</sup> Taxing away  
gains to those who more accurately anticipate consumer demand creates  
serious adverse incentives for entrepreneurship.

On the other hand, the government...Landlords often include lease  
provisions abrogating this default rule, giving them an unqualified right  
to reject sublets or assignments.

Courts display a strong tendency to imply qualifications to a landlord's...

...this right allows landlords to reap windfalls. Courts often uphold a  
landlord's right to reject assignees or sublettees when they have  
"commercially reasonable" objections,<sup>48</sup> such as "financial responsibility  
of...they never donated.

The court's rule for sales, giving the buyer the entire eminent domain  
award, however, is obviously erroneous. The court went astray when it  
reasoned that "where the...

...of the property for the determinable fee . . . giving the grantor any  
part of the eminent domain award would represent a windfall to the  
grantor."<sup>65</sup> The error is obvious: Who would pay "full value" for a  
restricted (determinable) fee? Buyers of restricted...

...for a restricted fee, the court erroneously worries that giving any part  
of an eminent domain award to the grantor amounts to a windfall.

Whether conveyed by sale or by gift...

...if he had foreseen the appropriation, his intention would have been that the restriction be eliminated in any determination as to what should be made available by the state to replace...Mazur<sup>95</sup> illustrates another context in which a court dispensed with formalism and focused on the probable intent of the parties in order to avoid a windfall that the parties likely never...rule in economic terms: Society gains more by tolerating double recoveries that serve deterrence than eliminating such windfalls at the cost of underdetering potential tortfeasors.<sup>131</sup>

D. Private Windfalls: The Reporting...that all three have the right to sell an easement to the cable company. This eliminates a bilateral monopoly problem and insures that the new user can buy at a competitive...law's shortcomings as a mechanism for risk-spreading, he moves on to the more plausible mechanisms examined in this Part. " [P]rocedural complications [with common law risk-spreading] thus drive...

...sue the state for just compensation. Many governments have searched for ways to reduce or eliminate government payment by raising compensation for harmed landowners from the benefited neighbors, instead of making...landowners. One early attempt to circumvent takings challenges to zoning, pretty much explained by the accurate if loquacious title "Zoning by Special Assessment Financed Eminent Domain" (ZSAFED), called for special assessments...President Carter announced a program to remove price controls from domestic oil by...1981. By eliminating price controls, the President sought to encourage exploration for new oil and to increase production...

...desirable form of sharing risk with a population facing higher energy prices.<sup>230</sup>

On the plausible assumption that nobody foresaw that OPEC would try to limit worldwide oil production, let alone...to reflect all available information, instead of just public information, and hence leads to more accurate and efficient pricing of shares.<sup>268</sup> It is not at all clear, however, that personal...exist that will effectively deter police misconduct without the litany of disadvantages just discussed. By eliminating a windfall for guilty defendants, the criminal justice system can have its cake-legal searches...<sup>12</sup>. Saul Levmore, The Case for Retroactive Taxation, 22 J. LEGAL STUD. 265, 273 (1993). 13 . Park & Tilford Distillers v. United States, 107 F. Supp. 941, 942 (Ct. Cl. 1952) (quoting...as little uninsured motorist coverage as desired: "The named insured shall have the right to reject in writing [uninsured motorist coverage] .... [A]t the option of the insured, the uninsured motorist...statement rule requiring landlords to be exceptionally forthright and explicit about an unqualified right to reject sublets or assignments. Since they are generally better informed than tenants about the real estate ...

...No. 92 CIV. 7327(JSM), 1997 WL 251548, at \* 1 (S.D.N.Y. May 13 , 1997). 56. In Squibb, there were actually multiple insurers settling and not settling, but that...

...353 N.W.2d at 467 (quoting Stanley v. Hinchcliffe & Kenner, 238 N.W.2d 13 (Mich. 1976)).

Footnote:

58. Id. at 469 (Kavanagh, J., dissenting) (emphases added) (quoting Thick v ...

...a portion of the risk of the litigation with INs <sup>62</sup>. Other cases have correctly rejected windfall arguments made by parties in the context of litigation uncertainty. See, e.g., Beecher v. Able, 441 F. Supp. 426 (S.D.N.Y. 1977) ( rejecting an argument that unexpectedly low claims filed

in a class action should lead to an...

...officers in control, for one reason or another, will not initiate suit.

Footnote:

69. See 13 FLETCHER CYCLOPEDIA OF THE LAW OF PRIVATE CORPORATIONS 5981 (perm. ed. 1995).

70. See Bangor...Owner To Challenge Land Use Regulations (A Call To Critically Reexamine the Meaning of Lucas), 13 J. LAND USE & ENVTL. L. 161 (1997).

74. Anello v. Zoning Bd. of Appeals, 678...

...E. PALMER, THE LAW OF RESTITUTION (1978).

Footnote:

78. See POSNER, supra note 39, 4. 13 . 79. See id.

Footnote:

80. See Levmore, supra note 76, at 71.

81. See Richard...

...result of the squeegee person's efforts.

Footnote:

83. See POSNER, supra note 39, 4. 13 .

84. See Cotnam v. Wisdom, 104 S.W. 164 (Ark. 1907); In re Estate of...id. at 264.

Footnote:

100. UNIF. LAND TRANSACTIONS ACT 2-302(b)-(c) (amended 1977, 13 U.L.A. 523 (1986)); see POWELL & ROHAN, supra note 47, 1 881[5]. 101... capitalized into asset prices. See MARTIN GILBERT, THE FIRST WORLD WAR: A COMPLETE HISTORY 11, 13 (1994) ("ar seemed unlikely in the spring and summer of 1914.... [T]he fact that...6.

233. GAO, ADMINISTRATION OF THE CRUDE OIL WINDFALL PROFIT TAX ACT OF 1980 (1984), quoted in Lazzari, supra note 231, at 1695.

234. It cost the federal government \$15 million...Insider Trading and Investment Analysts: An Economic Analysis of Dirks v. Securities and Exchange Commission, 13 HOFSTRA L. REV. 127, 135 (1984).

Footnote:

...Janie L. Shores, A Suggestion for Limited Tort Reform: Allocation of Punitive Damage Awards To Eliminate Windfalls, 44 ALA. L. REV. 61 (1992). Her colleagues have seemingly found her arguments convincing...

...Colorado statute violated the Takings Clauses of the federal and state Constitutions), while others have rejected such challenges, see, e.g., Gordon v. State, 585 So. 2d 1033 (Fla. Dist. Ct...

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17/K/19 (Item 19 from file: 15)

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01840201 04-91192

**The second coming of Smyth v. Ames**

Chen, Jim

Texas Law Review v77n6 pp: 1535-1569

May 1999

ISSN: 0040-4411 Journal Code: TRX

Word Count: 17625

**Text:**

...the ensuing deregulatory storm in the electricity industry.<sup>33</sup> The great transformation spells "complete detariffing, elimination of all entry restrictions, and [even] outright abolition" of regulatory supervision.<sup>34</sup> After comprehensive unbundling, cross...TELRIC's influence in its entirety would require fifty-one separate public utility commissions to reject the federally favored forward-looking pricing methodology.

Thanks to their "loss" in Iowa Utilities Board...Spulber's theory of deregulatory takings supplies a reviewing court with an expedient and superficially plausible constitutional weapon. For advocates of the great transformation of regulated industries law, however, that weapon...s] bonds and stock, the present as compared with the original cost of construction, the probable earning capacity of the property . . . , and the sum required to meet operating expenses ....''<sup>65</sup> This...took direct aim at the Takings Clause rationale for judicial review of utility ratemaking. They rejected the fair value rule as a "fallacious theory . . . derive[d] from principles of eminent domain...risk allocation-to the takings test of Hope Natural Gas and its progeny.<sup>234</sup> In rejecting this proposition, Richard Pierce left undisturbed the basic fabric of the confiscatory ratemaking doctrine. Sidak...compounded by their active lobbying before the passage of the Telecommunications Act, estops them from plausibly complaining of "surprise," much less an unconstitutional "violation of public faith."<sup>24</sup> Incumbent burdens such...

...created. "<sup>245</sup>

Incumbent benefits "such as a monopoly franchise and the private power of eminent domain " may outweigh any incidental harm from interconnection and unbundling.<sup>246</sup> "Inconsistencies in . . . [ratemaking] methodology" will not affect the legality of a prescribed rate; "countervailing errors or allowances" in a utility's favor will affirmatively insulate a rate order from constitutional...our Constitution is a covenant running from" generation to generation, "[e]ach generation must [ reject ] anew . . . ideas and aspirations" not fit to "survive more ages than one. "<sup>2</sup> "Twenty-five...

...at 546; accord *Duquesne Light Co. v. Barasch*, 488 U.S. 299, 308 (1989).

Footnote:

13 . West v. Chesapeake & Potomac Tel. Co., 295 U.S. 662, 689 (1935) (Stone, J., dissenting...of Natural Gas Pipelines After Partial Wellhead Decontrol, FERC Order No. 636, 57 Fed. Reg. 13,267 (1992) (codified at 18 C.F.R. pt. 284), af"d, United Distrib. Cos...

...FERC, 810 F.2d 1168, 1189 (D.C. Cir. 1987) (Starr, J., concurring) (emphasis added), quoted in SIDAK & SPULBER, supra note 2, at 271; cf. Jim Rossi, The Common Law Duty...Chairman Reed E. Hundt).

62. See In re Federal-State Joint Bd. on Universal Serv., 13 F.C.C.R. 11,830 (1998); In re Federal-State Joint Bd. on Universal...States, 82 A.F.T.R.2d 98-7375, 98-5606 (E.D. Pa. 1998) ( rejecting a claim, expressly based on Deregulatory Takings, that "valid municipal franchises are enforceable contracts"); Gulf...

...cannot actually be recovered through mitigation upon the transfer of the . . . customer to another supplier"), quoted in American Energy Solutions, Inc. v. Alabama Power Co., 16 F. Supp. 2d 1346, 1348...

...recovered as a result of restructured industry regulation that allows retail choice of electricity suppliers"), quoted in Public Serv. Co. v. Patch, 962 F.Supp. 222, 227 (D.N.H. 1997...165. Id. at 547.

166. Cf BAUMOL & SIDAK, TRANSMISSION PRICING, supra note 6, at 111- 13 (acknowledging the confiscatory ratemaking cases as an ideal point of departure for a Takings Clause...Footnote-Of Farm Team Federalism and Its Fate, 82 MINN. L. REV. 249, 309, 308- 13 (1997) (describing trade law, public utility law, and the law of federalism as variations on...

...Safe Redlands Assocs. v. United States, 35 Fed. Cl. 726, 731 (1996) (entertaining and eventually rejecting an extraordinary argument that "the continuous issuance of grazing permits by the Forest Service [can... inter alia, Sidak & Spulber, Tragedy of the Telecommons, supra note 3, at 1095-98, 1111- 13 & nn.75-85). But cf. Stephen Breyer, Judicial Review of Questions of Law and Policy...

...Sunstein, Interpreting Statutes in the Regulatory State, 103 HARV. L. REV. 405, 446-50 (1989) ( rejecting as "hopelessly unclear" and indeterminate the notion that statutes should be interpreted as if they... Western Elec. Co., 900 F.2d 283, 297 (D.C. Cir. 1990).

263. I Corinthians 13 :9 (King James).

264. Jim Chen, Titanic Telecommunications, 25 Sw. U. L. REV. 535, 543 (1996) ...

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17/K/20 (Item 20 from file: 15)

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01826305

04-77296

**Perverse institutionalism: NATO and the Greco-Turkish conflict**

Krebs, Ronald R

International Organization v53n2 pp: 343-377

Spring 1999

ISSN: 0020-8183 Journal Code: PIOR

Word Count: 17544

**Text:**

...argue that membership in NATO would stabilize the region by filling the power vacuum and eliminating the need for security competition. Traditionally a volatile area, East-Central Europe is rife with...

...support growth in each other's power resources, and within alliance states develop shared interests. 13 Yet even as allies provide security, they can pose real threats, not just limits to a state's freedom of action. Alliance does not entirely eliminate conflicts of interest and concerns over relative position.

I examine the effects of membership in...

...14 First, when accession to the alliance brings a security guarantee to small states, it eliminates the primary threat from their horizon and allows them to focus on secondary foreign policy...others and ignore the distributional consequences among themselves.29

Neoliberals commit a still more serious error by treating all institutions, regardless of the sphere in which they operate, as essentially identical...

...also introduce dynamics that, though not entirely unique to security, are more accented in that domain. The stakes in individual plays of the security game, the potential costs of receiving the...

...in achieving their aims depends less on their own capabilities than on the strength and credibility of their larger patrons. The participation of the small state may be important to the...Pact countries.46 In such cases, estimates regarding the adversary's intent derive less from accurate information regarding its forces than from worst-case analysis and the weight of the past on conflicts among members and thus serves as a plausibility probe for these hypotheses. Like all theoretical propositions, these were not constructed in a vacuum...acknowledged that domestic politics played into their demands as much as did strategic considerations, they plausibly and repeatedly insisted that the presence of Western military facilities on their territory had made...deadly."83

Transparency

As members of the same alliance, Greece and Turkey have had fairly accurate knowledge regarding their respective military capabilities. As expected, however, such transparency has not been sufficient...limited set of security questions leads to agreement (or disagreement) on all issues. Mercer 1996. 13 . Snyder 1997.

Footnote:

14. That these arguments apply only to multilateral alliances, not bilateral relationships...Holsti et al. 1973, 10>101. 49. Thus the following study is closer to a plausibility probe than a deviant case analysis. Either way, further assessment of the propositions' explanatory power is warranted. See Eckstein 1975, 108- 13 ; and Lijphart 1971, 692. 50. Stearns 1992.



Footnote:

51. See Psomiades 1968; Bahcheli 1990, 9-15; Coufoudakis 1985, 186-88; and Papacosma 1984, 298-99.

Footnote:

52. Clogg 1991, 13 . 53. Bahcheli 1990,16. 54. Ibid.

Footnote:

55. Coufoudakis 1985,189,191.

56. Although Turkey...

...had abandoned its own revisionist aspirations. Although Turkish motives are not clear, it is certainly plausible that Turkey, unsure of the war's ultimate conclusion, believed it could not afford, given...1998. 70. Stearns 1992, 43.

Footnote:

71. Army Attach\* in Greece to Department of Army, 13 October 1955, FRUS 1955-1957, vol. 24, 54749. Collins- reply is revealing: first, he averred ...

...defense balance cannot be ascertained without greater information regarding Greek and Turkish doctrine, it seems plausible that these geographical conditions laid the foundation for offensive advantage and, combined with the disparities...

...and Tsardanides 1991; Tsakaloyannis 1980; and Tsardanides 1988. 82. Gonlubol 1975, 48-49.

Footnote:

83. Quoted in McCaskill 1988, 216. See also Papacosma 1984, 311; and Veremis 1988, 278.

Footnote:

84. Ecevit 1984.

Footnote:

85. Quoted in Wilson 1984, 129. For a host of similar statements by Turkish leaders, see Platias...

...York Times, 10 February 1998, A21.

93. "NATO's Quality of Life," New York Times, 13 May 1997, A21; Deutsche Presse-Agentur, 18 January 1995.

Footnote:

94. See Associated Press, 3...Turkey. In Turkey's Foreign Policy in Transition, 1950-1974, edited by Kemal H. Karpat, 13 -50. Leiden: E. J. Brill.

Gowa, Joanne. 1989. Rational Hegemons, Excludable Goods, and Small Groups ...  
...N.J.: Princeton University Press.

1988. Alliances, Threats, and the Uses of Neorealism. International Security 13 (1):169-76. 1989. International Institutions and State Power: Essays in International Relations Theory. Boulder...

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**Dialog eLink:**

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17/K/21 (Item 21 from file: 15)

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01816091 04-67082

**Judicial history**

Vermeule, Adrian

Yale Law Journal v108n6 pp: 1311-1354

Apr 1999

**ISSN:** 0044-0094 **Journal Code:** YLJ

**Word Count:** 23422

**Text:**

...opinion that was published for the Court. Tushnet says that the Justices' consideration, and arguable rejection of, the proposed distinction between white-collar and blue-collar employees lacks any legal significance...

...lower court were subsequently tempted to interpret the published opinion as implicitly resting on the rejected distinction, shouldn't the internal evidence to the contrary be admissible? One obvious analogy is to the rejectedproposal doctrine in statutory interpretation, under which courts sometimes decline to interpret statutes in a manner identical to proposed bills previously rejected by the legislature.'4 The analogy does not hold in any simple way; judicial opinions are not statutes, and judicial history is not legislative history. Moreover, the rejected -proposal doctrine may well be misguided for any number of formal and functional reasons.15...

criteria said to justify resort to other types of official history, internal judicial materials might plausibly provide helpful interpretive guidance when a judicial opinion or judicially promulgated rule is ambiguous, opaque...

...Part IV draws upon the judicial history puzzle to illustrate some of the conditions that plausible arguments about particular categories of official history will satisfy, using the comparison between judicial and...

...history as a running example. The considerations discussed in Parts II and III suggest that plausible arguments about official history will display two features: localism and consistency. First, those arguments will ...

...from more limited arguments (either formal or institutional) about particular types of official history. Second, plausible positions in any local debate will prove consistent in the minimal sense that the position ...

...against arguments from other contexts in a long series of comparisons, thereby sifting out the plausible positions from the implausible ones.

## II. WHY NOT JUDICIAL HISTORY?

The argument for admitting judicial...meaning depends on context, and legislative history is the most authoritative context for determining the probable meaning of the statutory language."So Justice Holmes had earlier adopted a similar position, saying...

...legislative history. The contextualist position also transposes comfortably to the problem of judicial history. The plausible point that the interpretation of judicially-created texts should seek to ascertain the meaning of...obtain from the reports of congressional committees.<sup>55</sup>

But why do these points, even if plausible, justify excluding judicial history altogether? If judicial history sometimes provides helpful context, then judges should...

...additional assistance that they seek in broader sources of legislative history, such as floor debate, rejected bills, and the like.<sup>57</sup> Furthermore, resort to judicial history will less often prove affirmatively ...

...promulgation of the authoritative text and is created by the judges themselves; it is thus plausibly a better source of guidance, on either the intentionalist or the contextualist criterion, than more...an analogous relationship to the Court's final product.so

Justice Stewart's reason for rejecting the interpretive value of litigant arguments cuts in favor of recourse to internal judicial history... legislative and executive deliberations are protected. Second, declaring judicial history an admissible interpretive source would plausibly inflict just those sorts of harms.

The constitutional text places a distinct emphasis on the...s preferred disposition or ruling was broadly accepted, even if the majority or plurality coalition rejected those positions. Even dissenters could attempt to influence subsequent interpretation by describing a decision narrowly...s reasons for excluding judges' testimony also weigh heavily against judicial history. If, as the quoted passage suggests, looking beyond the four corners of the judicial text will undermine reliance and... and legislative history.

Two conditions for useful argument in these areas deserve particular attention. First, plausible arguments about official history problems will be local rather than global. They will stem not...

...detailed local claims, both formal and institutional, applicable to particular categories of official history. Second, plausible arguments will obey the constraint of consistency: No participant should offer an argument in one...

...other debate. These two conditions are perfectly compatible, indeed complementary. The consistency constraint operates to eliminate official history arguments based upon highly abstract principles that inevitably fail to explain a good...

...gradually be connected up in a linked series of comparisons that promises to sort the plausible views about official history from the implausible ones.

### A. Localism

In principle, any particular official...source.

But it seems unlikely in the extreme that any such universal approach will prove plausible -putting aside highly abstract universal criteria that themselves produce a contextual approach, such as the...other debates, in the hopes that a long series of such comparisons will sift the plausible accounts of official history from the implausible. Such a process is surely less dramatic than...Justice Powell's Legacy of the Law of Insider Trading, 78 B.U. L. REV. 13, 16 n.11 (1998) (noting that the author consulted the Marshall Papers to develop a...malfunctioned), rev'd, 523 U.S. 538 (1998). 12. 460 U.S. 711 (1983).

Footnote:

13. See Tushnet, *supra* note 7, at 473 n.1.

14. See, e.g., *INS v...*

...that Congress does not intend sub silentio to enact statutory language that it has earlier discarded in favor of other language.") (quoting *Nachman Corp. v. Pension Benefit Guar. Corp.*, 446 U...

...U.S. 195, 209-10 (1962) (refusing to read a statute to duplicate a proposal rejected by the conference committee).

15. See *United States v. Estate of Romani*, 118 S. Ct...

...1488-89 (1998) (Scalia, J., concurring in part and in the judgment) (arguing that the rejected -proposal doctrine circumvents constitutionally specified procedures for congressional lawmaking and imposes an onerous burden of legislative history research).

Footnote:

16. The courts have indeed applied something like the rejected -proposal doctrine when interpreting judicially-promulgated rules. See *Whalen v. Ford Motor Credit*, 684 F...

...Committee that drafted the rules; noting that at the relevant meeting the Committee considered, but rejected, a proposed amendment to the rule).

Footnote:

17. See Daniel A. Farber & Philip P. Frickey...a Supreme Court opinion, for example, intentionalist and contextualist uses of judicial history would remain plausible interpretive strategies whether that opinion was best classified as an example of interpretation or rather...Abuse of the Advisory Committee Notes, 28 LoY. L.A. L. REV. 1283, 1300 (1995) (rejecting possible analogies between judicial history and the advisory committee notes that courts use to interpret...is wholly indeterminate. Those who favor fully exposing the judicial process to public scrutiny argue plausibly that openness, not secrecy, is the precondition of judicial legitimacy. See, e.g., Arthur Selwyn...outweighed by the need for evidence in a criminal proceeding); Viet D. Dinh, Book Review, 13 CONST. COMMENTARY 346, 355 n.15 (1996) (" [A] case [like Nixon] pits not Congress against...the structural objectives promoted by bicameralism and presentment).

Footnote:

151. Cf. Cass. R. Sunstein, Justice Scalia's Democratic Formalism, 107 YALE L.J. 529, 548 (1997) (book review) ("Whether it makes...

...simple costs of using the history, the likelihood that it will increase

rather than decrease errors , the availability of other more reliable sources of meaning, and the consequences for the legislature...

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17/K/22 (Item 22 from file: 15)

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01816090 04-67081

**The possibilities of comparative constitutional law**

Tushnet, Mark

Yale Law Journal v108n6 pp: 1225-1309

Apr 1999

ISSN: 0044-0094 Journal Code: YLJ

Word Count: 44538

**Text:**

...in other nations can be added to the list of such sources.

Stanford v. Kentucky<sup>20</sup> rejected one attempt to use comparative law to affect the outcome of a controversy over the...

...therefore should be held unconstitutional under the Eighth Amendment.<sup>25</sup> A majority of the Court rejected this argument. According to Justice Scalia's opinion for the Court "it is American conceptions...be selected in a way sensitive to concerns for decency and respect. The Supreme Court rejected a facial challenge to the provision, saying that it simply identified some considerations that panels...be said to be speaking when one of them is advancing a position the other rejects. The NEA funds so many different kinds of artistic expression that no one could sensibly...

...the activity predicted to attract the larger number of people,<sup>99</sup> but it could not reject the theatrical production on the ground that its planned production of *Angels in America*, a...respect for the diverse values of the American people was unconstitutionally vague. The Supreme Court rejected the vagueness argument, saying that terms that might be unconstitutionally vague when used to regulate...and Hegel referred, and documents like the U.S. Constitution.<sup>27</sup> The expressivist claim is plausible -perhaps even tautological-with respect to the former class. In contrast, nations vary widely in...

...Article in spite of the skepticism I have suggested about its broadest version. One can plausibly contend that the United States lies at an extreme and that to be an American...could enforce hate speech laws in ways that even their most vigorous academic proponents would reject. Functional differences between the legal regimes in the United States and Great Britain thus make...

...argument refutes the functionalist objections to her proposal, which in the end persuade Post to reject it.<sup>273</sup> But the course of the argument shows the value of comparative constitutional law...

...understanding and defense of the practice of democracy. That would be a sufficient reason for rejecting Matsuda's claims for a cultural transformation that would limit the possibility of such revisions...

...contribution to Russia's efforts to democratize; they were both functional and expressive. We might reject this claim if we believed that democratic societies were necessarily committed to a principle barring discrimination among religions. And this would be true no matter how accurately the Russian law on religion expressed Russia's commitment to Orthodoxy and the other religions...the institution, even though it might sometimes produce rulings with which they disagree, than to eliminate it.\*9 Graber points out that politicians sometimes find themselves facing issues that threaten to...understandingand in the functions we ask our institutions to serve-not only thinkable, but even plausible . C. Bricolage as Symptom The perspective developed in this Part should raise questions about one...quite superficial and, conversely, seeming differences can sometimes conceal more deeply rooted similarities" (citation omitted)). 13 . Of course, comparative constitutional law can and probably should be part of the general

Footnote...S. Ct. at 2172. 78. See id. at 2176-77.

Footnote:

79. The Court has rejected the possibility of treating state funds as public forums, asserting that "the almost unfettered access...and their outcomes might be influenced by the subject matter of the underlying dispute. (McKinney rejected a challenge to a mandatory retirement age for professors, while Lavigne involved a challenge to...

...Government Corporation, 1995 U. ILL. L. REV. 543, 570-74. The U.S. Supreme Court rejected the Canadian approach in *Lebron v. National Railroad Passenger Corporation*, 513 U.S. 374 (1995)...*Television Pty. v. Australia* (1992) 177 C.L.R. 106 (Austl.) (finding constitutional basis for invalidating Australia's campaign finance regulations in its constitutional commitment to governing through elected representatives). For...

...that would be required to justify this third approach, which in turn suggests that Justice Scalia's attempt to escape from a general First Amendment jurisprudence might not succeed (at least...

...from the way the prior Mayor Daley did.

Footnote:

95. Were a single state to eliminate such obligations, it seems quite likely that federal regulatory agencies, or Congress itself, would deprive ...forum in its display areas because it "accept[ed] ... a broad range of advertisements" and rejecting the argument that the forum was designated for use only by those whose advertisements were...fund art projects the public "find[s] abhorrent . . . [has] a skewing effect [that] could not plausibly be tolerated"); Sullivan, *supra* note 127, at 1490 (indicating the importance of recognizing the degree...threat.

151. See Gavin Drewry, *Quelling the Quango*, 1982 PUB. L. 384, 386 nn.12 & 13 (citing the British literature). A more recent collection is *THE QUANGO DEBATE* (F.F. Ridley FOR DEPARTMENTS 4-5 (2d ed. 1985), quoted in Harden, *supra* note 156, at 30.

Footnote:

161. Cf Masback, supra note 152, at...Finley v.

Footnote:

NEA, 100 F.3d 671, 680-81 (9th Cir.1996). The Court rejected that conclusion in part because the provision was no more vague than the unchallenged directive...

...with a mass mobilization centered on a party led by a charismatic leader who, however, rejects party rule after a constitution is created and instead seeks to transfer the leader's...Canadian Charter of Rights and Freedoms), 1.

Footnote:

269. See GREENAWALT, supra note 235, at 13 -14; see also Eberle, supra note 234, at 897 (arguing that "German civility norms of...  
...ABOLITIONISM 200 (1967) (emphasis in original). That position lost its historical viability when Frederick Douglass rejected it. See FREDERICK DOUGLASS, ORATION, DELIVERED IN CORINTHIAN HALL, ROCHESTER, JULY 5TH, 1852 (Rochester, Lee...Black, Jr., The Working Balance of the American Political Departments, 1 HASTINGS CONST. L.Q. 13, 14-15 (1974). This position is, of course, in tension with the common inference from...argument in support of that description).

Footnote:

317. Calabresi and Rhodes struggle to offer "more plausible interpretations of the Clause." Calabresi & Rhodes, supra note 300, at 1207. It might imply "that...

...323. See Jon Elster, Introduction to THE ROUNDTABLE TALKS AND THE BREAKDOWN OF COMMUNISM 12- 13 (Jon Elster ed., 1996) ("In the process of bargaining over the presidency in Bulgaria, Hungary...that predictions about who the first president will be can be mistaken. See id. at 13 (asserting that "the calculations and expectations that went into the

Footnote:

bargaining and log-rolling...these assertions, see The First Amendment, Under Fire from the Left, N.Y. TIMES, Mar. 13, 1994, 6 (Magazine), at 42, which contains comments of

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17/K/23 (Item 23 from file: 15)

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01816089 04-67080

**The boundaries of private property**

Heller, Michael A

Yale Law Journal v108n6 pp: 1163-1223

Apr 1999

ISSN: 0044-0094 Journal Code: YLJ

**Word Count:** 29091

**Text:**

...anticommons,12 discrete groups of owners can use or exclude others from a valuable resource. 13 The dynamics of rules bounding fragmentation are a relatively little-analyzed, real-world problem, particularly...limits of the numerus clausus. If an owner creates a nonstandard legal thing and others reject it, then the owner bears the cost through a lower property value, while bundling entrepreneurs...fee becomes absolute and the vested future interest becomes invalid,96 while other states even eliminate these property interests retroactively.97 Courts have generally upheld reverter acts against takings challenges on...

...grounds that excessive fragmentation clogs title and reduces marketability of property98 Similarly, "marketable title acts" eliminate certain property interests that are not re-recorded after a statutory period.99 There is...recognized by law. On the other hand, it may have been employed in a more accurate sense to denote the group of rights inhering in the citizen's relation to the...the bundle-of-rights metaphor. Whatever property principle Loretto vindicates, it does not serve any plausible efficiency goals reflected in the boundary principle. The underlying technical problem in Loretto is that...of legal things.

#### 1. Penn Central

Often the Court can re-conceive a regulation to eliminate completely a discrete, traditional legal thing from an owner's larger fee simple.209 The ...

...a plethora of ad hoc factors that may be considered to bound property211 and then rejected the view that the air rights fragments were themselves private property.212

Applying this ad...legal relations and the difficulty of finding the boundary between private and anticommons property. Andrus rejects the idea that a single legal relation, the "right to sell," is itself private property...

...to refer to the fragmenting of legal things, Kaiser Aetna has become the beachhead for eliminating the boundaries of nonphysical legal relations at the anticommons end of the property continuum. The...little new analysis, held that Congress's new attempt was as flawed as the regulation rejected in Hodel.261 Where does this leave Andrus? Three Justices concurred in Hodel solely to...wasted in a tragedy of the anticommons, protecting fragments of ownership does not serve the plausible economic goals of a private property regime. If protecting fragments serves competing values, then the...

...such as human bodies or political votes, for which commodification is even more contested or rejected. See Susan Rose-Ackerman, Inalienability and the Theory of Property Rights, 85 COLUM. L. REV...Jeff Lehman identifies examples in asset securitization, real estate investment trusts, and the Superfund program.

13 . Consider two people who are tenants in common of a farm--each cotenancy is itself...

...of Contract in the Law of Servitudes, 55 S. CAL. L. REV. 1353, 1359 (1982) (rejecting boundary rules because they impose a "collective vision" that limits owners' ability to further values...27. For a further discussion of the Statute Quia Emptores, see CRIBBET & JOHNSON, supra note 13, at 143-49.



Footnote:

28. See SIMPSON, *supra* note 24 (manuscript at 22) ("In so...The Statute de Donis Conditionabilis of 1285 permitted what became known as the fee tail. 13 Edw., ch. I (Eng.). Within 200 years, common-law courts created mechanisms to defeat the entail. See CRIBBET & JOHNSON, *supra* note 13 , at 49 (discussing techniques for defeating the entail). 69. Tenants holding in tail could block...note 32, at 299 (citing cases).

Footnote:

99. See, e.g., UNIF. MARKETABLE TITLE ACT, 13 U.L.A. 112 (1990 & Supp. 1995) (establishing a statutory period of 30 years). See... circumstances doctrine apply to requests for modification of covenants).

113. See CRIBBET & JOHNSON, *supra* note 13 , at 390 (" If all parties agree, they of course can modify covenants to accommodate new...

...a simple majority of owners of lots might be unduly burdensome.

CRIBBET & JOHNSON, *supra* note 13 , at 389-90.

Footnote:

119. See, e.g., Jan Z. Krasnowiecki, Abolish Zoning, 31 SYRACUSE...

...N.E. 58, 61 (N.Y. 1926). 127. See ALEXANDER, *supra* note 31, at 311- 13 . Alexander traces the evolution of these metaphors:

Footnote:

After the beginning of the twentieth century...dominion talk in theoretical and political discourse, English legal doctrines should contain so very few plausible instances of absolute dominion rights."

131. See CRIBBET & JOHNSON, *supra* note 13 , at 15; F.W. Maitland, The Mystery of Seisin, 2 L.Q. REV. 481 (1886...

...in the Court's approach came in *Pumpelly v. Green Bay Co.*, 80 U.S. ( 13 Wall.) 166 (1872), in which a company acting under state authority flooded private land. The...Eirik G. Furubotn & Svetozar Pejovich eds., 1974) (offering standard economic definitions of property).

153. Rudden quotes a range of great jurists on the point: Oliver Wendell Holmes said, "new and unusual...22, 1991, at A1 (noting reallocation of fishing rights). 169. See CRIBBET & JOHNSON, *supra* note 13 , at 114. When uses irreconcilably conflict, owners can divide their cotenancies into sole ownership. However...

...undivided resource and then dividing up money among co-owners. *Id.*; see also *supra* note 13 .

Footnote:

170. This shift in intensity of use parallels the story Demsetz tells. See Demsetz...

...could be misled. See *id.* 26.3. 175. See, e.g., CRIBBET & JOHNSON, *supra* note 13 , at 82-85 (conflating discussion of the Rule Against Perpetuities with the rules against restraints...however, focuses on fragmentation of legal relations, that is, whether Congress can, in certain circumstances, eliminate the right to devise from the bundle of rights.

Footnote:

247. See The Papers of...

...draft opinion circulated on Nov. 3, 1986 by Justice Stevens would have held section 207 invalid on due process grounds, based on the reasoning in *Texaco v. Short*, 454 U.S...

...1982). This approach gathered little support and elicited draft concurrences from Justices O'Connor and Scalia, see Memorandum from Justice O'Connor to Justice Stevens (Nov. 3, 1986) (on file with...

...not raised by the parties...."); O'Connor draft concurrence, (Mar. 11, 1987); Memorandum from Justice Scalia to Justice Stevens (Nov. 4, 1986) (on file with author) ("I share Sandra's concerns...the fractionation problem through burdensome administrative fees, but not by the less intrusive method of eliminating devise of the least-valuable fragments.

Footnote:

276. 118 S. Ct. 2131 (1998). 277. See...

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17/K/24 (Item 24 from file: 15)

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01815396 04-66387

### **The demise of hypothetical jurisdiction in the federal courts**

Idleman, Scott C

Vanderbilt Law Review v52n2 pp: 233-349

Mar 1999

**ISSN:** 0042-2533 **Journal Code:** AVLR

**Word Count:** 64435

**Text:**

...branch where that branch defended its exercise of seemingly extraconstitutional power exclusively on hypothetical grounds. 13 In this respect, *Steel Co.* is the judicial equivalent to the watershed 1995 case of ...that *Steel Co.* (particularly Justice Stevens' concurrence) came "close enough" for purposes of isolating and eliminating the doctrine.

The significance of addressing hypothetical jurisdiction despite its absence from the pleadings and...in needless and redundant litigation over identical jurisdictional questions.210 At the same time, the elimination of hypothetical jurisdiction will obviate the need for courts, which after already having assumed jurisdiction...remain somewhat unclear on the ultimate propriety of hypothetical jurisdiction. Justice Stevens, after all, fundamentally rejected the majority's characterization of his legal stance, proclaiming that "[t]he doctrine of 'hypothetical...

...to like effect.<sup>232</sup> Second, of no particular concern at this juncture is the relative accuracy of the majority's, or of Justice Stevens', or of the lower federal courts' interpretations...did so regard its merits judgment. This is evident not only from the Norton passage quoted in Steel Co.-that "[t]his disposition. . . renders the merits in the present case a...this one will begin on a slightly more strategic note. Put bluntly, it is quite probable that the doctrine in many instances effectively reduced the likelihood either that the losing party...

...an interest in refiling in state court, this would obviously be beneficial insofar as it eliminated the bar of res judicata-although, realistically speaking, the state court judge would presumably not...

...reversal. For one thing, by not deciding a contestable jurisdictional issue, the lower court has eliminated by avoidance what was likely the most vulnerable legal issue for review. Because there was...opinion that a later court, even if it is an inferior court, is free to reject, "342 one could conclude syllogistically that lower courts are free to reject the Court's discussion of hypothetical jurisdiction. Though in many respects Justice Stevens' characterization is...

...ways of limiting a precedent is to distinguish it on factual grounds, given both the probable variation of the facts and the mechanical nature of the method.<sup>350</sup> In the case...reached at the outset.<sup>369</sup> Sitting en banc, the court held that it may not. Rejecting the notion that " 'jurisdiction is jurisdiction is jurisdiction,'<sup>370</sup> the court observed that personal and ...dictum. For example, lawyers will not press a claim that appears to have been flatly rejected, "[p]rivate agreements among the parties or between the parties and their attorneys or indemnitors...deeper significance of both the existence of the doctrine and the Court's effort to eliminate it. That the doctrine of hypothetical jurisdiction emerged and thrived among the lower federal courts...approach for the majority clearly comes down on the rules side of the debate. By eliminating the option of bypassing Article III subject-matter jurisdiction en route to the merits, Scalia...formalism-functionalism split are worth noting. First, the methodological division in Steel Co. between Justice Scalia and Justice Breyer is actually quite representative of their respective approaches to legal interpretation in...

...two Justices find themselves on the same side of a decision-as with the recent invalidation of the Line Item Veto Act, which they both would have upheld<sup>466</sup>-their rationales do not deviate from the formalist and functionalist conceptions, respectively. Justice Scalia in Clinton v. City of New York simply did not find that the nation's for the most part rejected the practice of hypothetical jurisdiction. But unless this orthodoxy of formalism is accompanied by an...

...While the outward form and even the doctrinal core of hypothetical jurisdiction may have been eliminated by the Court's formalist decree, its value and thus its essence will long persist...jurisdiction over matters beyond the scope of the authority granted to it by its creators.").

13. The seminal case in this regard is, of course, Marbury v. Madison, which held that...<sup>500</sup> (1975); National Wildlife Fed'n v. United States, 626 F.2d 917, 924 n. 13 (D.C. Cir. 1980))), and Davis v. Blackburn, 803 F.2d 1371, 137273 & n.1...

...III powers."); National Wildlife Fed'n v. United States, 626 F.2d 917, 924 n. 13 (D.C. Cir. 1980) ("Appellee purported to waive challenge to appellant's standing. Because standing...

...citation omitted).

28. See, e.g., *Freytag v. Commissioner*, 501 U.S. 868, 896 (1991) (Scalia, J., concurring in part and concurring in the judgment) ("[A]n error [in federal subject matter jurisdiction] may be raised by a party, and indeed must be...899 F.2d at 158; see also *Curry v. Baker*, 802 F.2d 1302, 1312-13 & n.6 (11th Cir. 1986) (assuming standing in a challenge to a state electoral process...F.2d 130, 136 (3d Cir. 1988); *Curry v. Baker*, 802 F.2d 1302, 1312-13 (11th Cir. 1986); *Richland Park Homeowners Ass'n v. Pierce*, 671 F.2d 935, 941...the idea would be that the claims of pro se plaintiffs should be more readily rejected on the merits in the absence of clear jurisdiction, perhaps to spare these plaintiffs the...154 (1997) (No. 95-813), available in 1996 WL 279768 ("[T]he court of appeals rejected plaintiffs' NEPA claim under the doctrine of hypothetical jurisdiction, i.e., even if plaintiffs did...Florida, 143 F.3d 1405, 1407 n.2 (11th Cir. 1998) ("The Supreme Court squarely rejected the doctrine of hypothetical jurisdiction in *Steel* and instructed that a challenge to Article III...also *James Madison Ltd. v. Ludwig*, 82 F.3d 1085, 1092 (D.C. Cir. 1996) (rejecting a party's "suggest[ion] . . . that we need not reach its jurisdictional arguments until after...514 U.S. 211, 218, 219 (1995) (quoting *United States v. Klein*, 80 U.S. (13 Wall.) 128, 146 (1872)).

204. See, e.g., *Lewis F. Powell, Jr., Our Bill of...*

...of unaddressed jurisdictional defects has no precedential effect."); *Kershaw v. Shalala*, 9 F.3d 11, 13 n.3 (5th Cir. 1993) (noting that the Court's exercise of jurisdiction in a...the Federal Circuit nor the Supreme Court "would be able to confirm the advice or reject it\*").

231. See, e.g., *Neely v. Benefits Review Bd.*, 139 F.3d 276, 279...s power to act. It is otherwise without prejudice to the plaintiffs claims, and the rejected suitor may reassert his claim in any competent court."); see also *FED. R. CIV. P...*Fifth Circuit, '[t]his 'standard is met only where the plaintiff's claim has no plausible foundation' or 'is clearly foreclosed by a prior Supreme Court decision.'" *Eubanks v. McCotter*, 802...

...the validity, of the doctrine); *Bell*, 327 U.S. at 683 (noting that "[t]he accuracy of calling these dismissals jurisdictional has been questioned"); Assuming Jurisdiction Arguendo, supra note 4, at...D.C. Cir. 1998); *Kauthar SDN BHD v. Sternberg*, 149 F.3d 659, 669 n. 13 (7th Cir. 1998) ("Because this standing question is prudential in nature, we may 'elide the...

...in favor of determining whether a statute authorizes a private cause of action," but ultimately rejecting that reading). The Court in *National Railroad Passenger Corp.* repeatedly employed the unmodified terms of...

...v. *Frito-Lay, Inc.* (In re *Olympia Holding Corp.*), 88 F.3d 952, 959 n. 13 (11th Cir. 1996) (noting that, under *National Railroad Passenger Corp.*, the issue of statutory standing...

...29. 282. *Steel Co.*, 118 S. Ct. at 1014.

283. *Id.* (citation omitted). The Court quoted from Norton: "If the three-judge court had been properly convened, we would have affirmed...difficult. Then, however, in a moment of apparent revelation brought about by *Steel Co.*'s elimination of this bypass option, the court was able to conclude that, in fact, "[there is...latter, review may be less compelling because "we are not the sole body that could eliminate such conflicts, at least as far as their continuation into the future is concerned").

Footnote...

...3d 1017, 1029-30 (9th Cir. 1998) (White, J.) (\*The Supreme Court [in *Steel Co.*] rejected th[e] doctrine [of hypothetical jurisdiction] ....

Thus, we must 'spend [our] time and energy puzzling...of this Court has direct application in a case, yet appears to rest on reasons rejected in some other line of decisions, the Court of Appeals should follow the case which...

...Cir. 1993) (alterations in original) (quoting McCoy v. Massachusetts Inst. of Tech., 950 F.2d 13, 19 (1st Cir. 1991)); see also In re Thirteen Appeals Arising Out of San Juan...

...F.2d 306, 310 n.6 (10th Cir. 1963) ("The contention is made that the quoted phrase is dictum to which the lower courts are not required to yield. Without exploring...the facts of each case.' ") (quoting McCoy v. Massachusetts Inst. of Tech., 950 F.2d 13, 19 (1st Cir. 1991)); United States v. Underwood, 717 F.2d 482, 486 (9th Cir...at 1013 & n.2)), cert. denied, 119 S. Ct. 890 (1999); id. at 669 n. 13 (bypassing the issue of purchaser standing under 15 U.S.C. 78j(b) and 17...

...Importantly, the court also noted that its court of appeals, the Second Circuit, "has explicitly rejected the practice of retroactive jurisdiction, i.e., permitting a plaintiff belatedly to attempt to assert ...Doyle v. Oklahoma Bar Ass'n, 998 F.2d 1559, 1567 (10th Cir. 1993) ("to eliminate any doubt. . we elect to proceed to an alternate holding on the merits"); Halperin v...

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17/K/25 (Item 25 from file: 15)

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01814655      04-65646

**The demand for bank loans and the "state of trade"**

Howells, Peter; Hussein, Khaled A

Journal of Post Keynesian Economics v21n3 pp: 441-454

Spring 1999

**ISSN:** 0160-3477 **Journal Code:** PKE

**Word Count:** 4054

**Text:**

...bl are partially distorted by various events such as bouts of round-tripping and the elimination of capital flow constraints (see Hurn and Muscatelli, 1996). To allow for the main round...1132

**Reference:**

Dickey, D.A., and Fuller, W.A. "Distribution of the Estimators for Autoregressive Time Series with a Unit Root." *Econometrica*, 1981, 49, 1057-1072. Fase, M.M.G. "The Demand...Reference:

Phillips, P.C.B., and Hansen, B.E. "Testing for a Unit Root in Time Series Regression." *Biometrika*, 1988, 75 (2) 335-346.

Pollin, R. "Two Theories of Money Supply Endogeneity: Some Empirical

Evidence."Journal of Post Keynesian Economics, 1991, 13 (3), 366-396.

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Peter Howells is a Professor in the Department of Economics...

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17/K/26 (Item 26 from file: 15)

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01811398 04-62389

**The Austrian search for realistic foundations**

Caplan, Bryan

Southern Economic Journal v65n4 pp: 823-838

Apr 1999

**ISSN:** 0038-4038 **Journal Code:** SEJ

**Word Count:** 9855

**Abstract:**

...economics without disputing its fundamentals. Others, most notably Ludwig von Mises and Murray Rothbard, explicitly reject the foundations of neoclassical consumer and welfare theory and construct a systematic alternative. This paper...

**Text:**

...economics without disputing its fundamentals. Others, most notably Ludwig von Mises and Murray Rothbard, explicitly reject the foundations of neoclassical consumer and welfare theory and construct a systematic alternative. This paper...

...31)

[T]here is no Austrian economics-only good economics, and bad economics.

Milton Friedman (quoted in Dolan 1976. .4)

A persistent criticism of neoclassical economic theory is that it is...

...in his career, Hayek expressed his desire to . . avoid giving the impression that I generally reject the mathematical method in economics. I regard it as indeed the great advantage of the...

...and to a lesser extent Mises' student Israel Kirzner advance stronger claims. Mises and Rothbard together reject much of the core of neoclassical economics: for starters, utility functions, indifference analysis, continuous preferences...

...that agents' ignorance and imperfect knowledge can be captured using

probability theory. Mises and Rothbard reject all three of these assumptions and try to rederive economic theory without them; Kirzner focuses...

...positions are a sufficient basis for an alternative Austrian paradigm. However, Mises, Rothbard, and Kirzner reject the foundations of modern neoclassical consumer theory too quickly, and their substitutes are inadequate.<sup>3</sup>...human-like motives to human beings. (p. 270)

But isn't Mises' and Rothbard's rejection of indifference analysis based on the very prejudice McCulloch attributes to standard consumer theory? One ...

...indifference.

#### Continuous Utility Functions Versus Discrete Value Scales

##### The Charge of Cardinality

Mises (1966) repeatedly rejected anything resembling utility functions:<sup>5</sup> "Values and valuations are intensive quantities and not extensive quantities...

...cardinal utility when only that of ordinal utility is defensible. As Rothbard (1962) insists, "Value scales of each individual are purely ordinal, and there is no way whatever of measuring the...exchange" by their consumer's surplus (p. 223). But it soon becomes clear that Rothbard rejects the entire utility-function approach as incoherent: "The chief errors here consist in conceiving utility as a certain quantity, a definite function of an increment...

...Hence, Rothbard infers, most of mathematical economics rests upon a fundamental mistake and must be discarded. One might reply that the unrealism of continuity is only minor; Rothbard (1962) considers this possibility and rejects it: "Most writers on economics consider this assumption a harmless, but potentially very useful, fiction...

...Real choice is always discrete choice; ignoring this fact can only lead economists into error.

Rejecting continuity, however, requires Rothbard to reject more than just utility curves. If continuity assumptions cannot be used because "human beings cannot...

...unit when the price is \$1.00. Thus, the argument against calculus based upon the rejection of continuity also argues against the use of simple algebraic constructs, like intersecting supply and...  
...use of calculus as methodologically acceptable in economics.

##### The Income and Substitution Effects

Though Rothbard rejects neoclassical utility theory, he makes ad hoc concessions to it elsewhere in his writings. Using...a standard neoclassical way to view alertness, why should Kirzner's alternative be accepted? The quote continues: We simply point out that while decisions can in principle be made by a...at least one of them would not have benefited from the exchange. Similarly, Rothbard (1977) rejects the argument that an externality, such as the envy of a third party, vitiates the...

...state action in the name of efficiency, Rothbard also implicitly denies his own ability to reject state action in the name of efficiency. His welfare criterion justifies agnosticism about-not denial...of democratic

action implicitly uses the same idea (pp. 18-23). Rothbard's a priori rejection of the concept of public goods was simply the wrong route to take; it would...

...The Austrian challenge to the realism of neoclassical assumptions actually helps make those assumptions more plausible. Setting aside arguments about predictive ability (Friedman 1953), neoclassical economic theory often looks realistic next...Nozick (1997) presents different but complementary arguments against Mises' and Rothbard's utility theory and rejection of indifference analysis. Specifically, (i) Rothbard (1962) implicitly uses indifference analysis when he explains that...

...definition preferences not revealed in action. 4 For further evidence that Mises shares Rothbard's rejection of indifference analysis and neoclassical utility theory, compare Mises (1980a, pp. 51-60) to Man...

...section shows, Rothbard, like Mises, claims that only objective probabilities (class probabilities) admit of quantification.

13 Mises' class probability appears to be the same as objective probability, but case probability does...must be placed on these external costs. But the analyst has no benchmark from which plausible estimates can be made. Since the persons who bear these 'costs'-those who are externally...

...and especially Rothbard, Buchanan's skepticism about welfare economics does not greatly incline him to reject standard Pigovian-type policy prescriptions in his other writings (DiLorenzo 1990). On the London-Austrian...

...that Rothbard's approach to externalities is defective but arrives at an almost equally radical rejection of the neoclassical theory: "The Pigovian approach to both defining and resolving externality problems is...

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17/K/27 (Item 27 from file: 15)

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01810629 04-61620

**Opening Closed Chambers**

Chemerinsky, Erwin

Yale Law Journal v108n5 pp: 1087-1122

Mar 1999

**ISSN: 0044-0094 Journal Code: YLJ**

**Word Count: 16032**

**Text:**

...primarily about the clerk's duty to the Justice during the clerkship. For example, Kozinski quotes from Canon 2 of the Code of Conduct, which declares: "The law clerk owes the Justice and the Court complete confidentiality, accuracy and loyalty. The Justice relies upon the law



clerk's research in reaching conclusions on...to recounting the Tompkins case in careful detail. He persuasively demonstrates that there were serious errors committed in the trial court, including the prosecutor's use of peremptory challenges in violation...

...mind and joined with the conservative bloc of Chief Justice Rehnquist and Justices White and Scalia .92 Because Justice O'Connor did not participate, apparently because her husband had recently been...

...make the Beck issue 4-4 and thus to scuttle his own majority opinion. Lazarus quotes Justice Stevens's memorandum indicating his change and his conclusion: " 'In all events, I am...

...96 Justice Jackson was angry at this and thought that Justice Douglas was grandstanding. Lazarus quotes a memorandum from Justice Frankfurter, found in the Jackson papers, in which Justice Frankfurter recounts... concerning it. Most striking is a memorandum Lazarus found in the Marshall papers that Justice Scalia wrote to the other Justices.'02 While Justice Powell's majority opinion points to the inadequacy of the proof of discrimination, Justice Scalia wrote: " 'Since it is my view . . . that the unconscious operation of irrational sympathies and antipathies...

...cannot honestly say that all I need is more proof.'" 103 In other words, Justice Scalia says that he was convinced that the death penalty is administered in a racially discriminatory fashion, but he still voted to affirm McCleskey's death sentence. Even more troubling, Justice Scalia says that additional persuasive proof of systemic discrimination would make no difference for him. Lazarus...

...show that there was substantial doubt as to McCleskey's guilt and that serious legal errors were subsequently discovered in the handling of the case. When these were presented to the...This distinction between law and politics recurs throughout the text. In criticizing the Senate's rejection of Robert Bork's nomination, Lazarus says that the political battle " ate away the thin...also were 5-4 decisions where it comprised Justices Kennedy, Stevens, Souter, Ginsburg, and Breyer. 13 There even was one major case decided by a 5-4 margin where the majority...proclaimed the need to avoid making value choices. For example, the Court concluded that to reject the Kentucky legislature's choice to allow capital punishment for sixteen- and seventeen-year-olds...for Lazarus's claim that the Court is an institution in danger of losing its credibility and compromising its role in American government. Despite all the events of the last decade, public respect for the Supreme Court remains high.142 The institutional credibility of the Supreme Court, as with any institution, is a product of many factors and...

...to believe that anything Lazarus describes will significantly harm the Court's long-term institutional credibility . ,b\* l,\*N f'X 0 : :) ::'S:::::::::: S):: Like Lazarus, I am very critical of...

...43-52. I 1. See LAZARUS, supra note 1, at 23. 12. Id. at 38.

13 . Webster v. Reproductive Health Servs., 492 U.S. 490 (1989).

Footnote:

14. LAZARUS, supra note ...Richard W. Painter, Editorial, A Law Clerk Betrays the Supreme Court, WALL ST. J., Apr. 13 , 1998, at A23; Gretchen Craft Rubin, Editorial, Betraying a Trust, WASH. POST, June 17, 1998... Richard W. Painter, Editorial, A Law Clerk Betrays the Supreme Court, WALL ST. J., Apr. 13 , 1998, at A23.

Footnote:  
f sud:U:M0;

Footnote:

55. Kozinski, *supra* note 4, at...

...100. 481 U.S. 279 (1987). For a discussion of the case, see Erwin Chemerinsky, Elimination in Administering the Death Penalty: The Need for the Racial Justice Act 35 Discrimination in...

...Id at 456.

127. See Erwin Chemerinsky, The Constitution Is Not "Hard Law": The Bork Rejection and the Future of Constitutional Jurisprudence, 6 CONST. COMMENTARY 29 (1989); Erwin Chemerinsky, Rationalizing the...

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17/K/28 (Item 28 from file: 15)

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01794576      04-45567

**Sharing the burden: Exploring the space between uniform and specific applicability in current free exercise jurisprudence**

Sansom, Kenneth D

Texas Law Review v77n3 pp: 753-788

Feb 1999

**ISSN: 0040-4411 Journal Code: TRX**

**Word Count: 17749**

**Text:**

...battle forward in the wake of RFRA's failure. These include drives for state RFRA's, 13 increased litigation under generally dormant state constitution free exercise clauses, 14 some ideas for a...religion. 43

The discharged counselors failed, however, to persuade the United States Supreme Court. Justice Scalia, writing for the majority, declared that no case in the Sherbert era had ever required...

...in conjunction with other constitutional protections" rather than to "the Free Exercise Clause alone." 47 Scalia distinguished Sherbert on three grounds. First, he declared that no case in the Sherbert era...

...otherwise prohibited by law. 48 Second, it declared that the rule of Sherbert had never invalidated a governmental action other than in those cases involving unemployment compensation. 49 Third, it noted...of the concerns the Smith majority was addressing. Consider the following passage that the Court quoted from Reynolds v. United States 58: Laws are made for the government of actions, and while...governance and underinclusiveness principles. In the course of this effort, two extreme rules will be rejected -indeed, must be rejected -in order to maintain

fidelity to both principles. The first, grounded solely in the ordered...

...This two-phase inquiry, and the results suggested from applying it, appear to be an accurate representation of the analysis actually required by the uncertain interaction between Smith and Lukumi in...and its secular departure. Some purported relationships would seem entirely legitimate, while others would strain credibility .122 Under this objective approach, the category of the arguably consistent would be reserved for...

...Smith), or that one secular departure always destroys general applicability (complete deference to Lukumi), were rejected because those results would necessarily ignore the command of the other case. The only situations in which fine, subjective balancing of the sort rejected in Smith<sup>128</sup> would be an issue are those in which the exact nature of the...

...the Establishment Clause is not an overwhelmingly detrimental concern. In Sherbert, the Court considered and rejected the idea that the Establishment Clause might prevent matching secular departures with accommodation departures compelled by the Free Exercise Clause.<sup>130</sup> Nothing in Smith controverts this rejection. The Smith majority does not even mention the possibility that the Establishment Clause might be...her education at home with certain courses in the public schools.<sup>139</sup> The trial court rejected their claim on summary judgment.<sup>140</sup>

On appeal, the plaintiffs attempted to present an argument...

...religion.<sup>147</sup>

Although Swanson is not on all fours with this Note because of its rejection of Lukumi, it is still instructive to examine because, although the court disallowed actual use...recited for the purpose of showing that this analysis is ironclad. They merely demonstrate the plausibility of the approach. A more complete test of the Note's framework will have to...

...Lukumi-between uniformly and specifically applicable legislation. The resulting framework"<sup>171</sup> is, I hope, an accurate description of that space. The true impact of Lukumi is that this map shows more...the least restrictive way to further that interest). 12. 117 S. Ct. 2157, 2170 (1997).

13. See Ira C. Lupu, The Failure of RFRA, 20 U. ARK. LITTLE ROCK L.J. 575, 575 & n.3 (1998). 14. See id. at 600 & nn.11-13. 15. See id. at 575 & n.2.

Footnote:

16. See infra notes 19-23 and...

...flourishing" of religion, but instead should ensure "equal regard" for minority religions); David E. Steinberg, Rejecting the Case Against the Free Exercise Exemption: A Critical Assessment, 75 B.U. L. REV...520 (1993). 25. Id. at 524-25.

Footnote:

26. See, e.g., Lupu, supra note 13, at 599 ("Lukumi holds actionable under the First Amendment religious gerrymanders, laws which, upon close...

...applicable law, and urging a return to the Sherbert test); Laycock, supra note 8, at 13 (criticizing the Smith Court for failing to understand that

Footnote:

the Free Exercise Clause creates...Court. 58. 98 U.S. 145 (1879).

Footnote:

59. Id. at 166-67 (emphasis added), quoted in Smith, 494 U.S. at 879. 60. Smith, 494 U.S. at 888 (emphasis...  
...s assertion that a particular act is 'central' to his personal faith?'  
Id. at 887 ( rejecting the idea that the compelling state interest test could be preserved if it was limited...to a  
protectionagainst-unequal-treatment paradigm. See id. at 1250-70. Along the way, they reject historical arguments, textual arguments, and the presence of traditional, ironclad protection for some parts of...

...of Lukumi. Lukumi, 508 U.S. at 544 (italics in original).

Footnote:

91. A more accurate statement of this question would recall that failure of the general applicability criterion is not...a constitutional value should receive different treatment than other inconsistent secular departures.

Two answers seem plausible . One is that such departures are still inconsistent, and there should be no distinction between...of strays might be considered just as compelling as euthanasia of the sick, given the probable living circumstances-perpetual captivity or persistent near-starvationfaced by stray animals. Pointing out the ability...

...S. at 889 n.5; cf supra note 63 and accompanying text (noting Smith's rejection of the idea that courts may competently assess the centrality of a particular belief or...Supp. at 885-86.

167. Cumberland, Md., Ordinance No. 2970, 7.d (July 12, 1985), quoted in Keeler, 940 F. Supp. at 886.

Footnote:

168. See id. at 886 (declaring that...

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17/K/29 (Item 29 from file: 15)

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01782617 04-33608

**Retaliation, bargaining, and the pursuit of "free and fair" trade**

Gawande, Kishore; Hansen, Wendy L

International Organization v53n1 pp: 117-159

Winter 1999

**ISSN: 0020-8183 Journal Code: PIOR**

**Word Count: 16982**

**Text:**

...by the United States and have led to greater retaliation to force open foreign markets. 13

Even though explicit retaliation was never used under GATT dispute settlement rules,' scholars have long...Tree Fruit Agriculture Promotion Caucus) lost their Diet seats because they did not prevent the elimination of Japanese import quotas in beef and citrus in 1988 following aggressive U.S. negotiations...the negative sign on ) indicates. Although escalation of NTBs from the Japanese side is very plausible due to the high political costs in Japan associated with bending in the face of...

...case before 1988. The use of that threat was responsible for making the Japanese government eliminate their quotas in the beef and citrus industries. The estimates from the price and quantitative...Mansfield and Busch 1995; (4) U.S. NTB data from 1983 in Trefler 1993; (5) time - series data on average tariffs by Magee and Young 1987 and Gallarotti 1985; and (6) roll...

...1994.

10. Baldwin 1990.

11. Destler and Odell 1987.

12. Deardorff and Stern 1987b.

Footnote:

13 . A set of papers with varying perspectives on Super 301 is contained in Bhagwati and...

...is, the usual least squares estimates corrected for simultaneous equations bias.

30. Even if such time - series data were available, the only cases of retaliation that would be easy to identify are...provides the corrected estimates when the null hypothesis of WE of any regressor(s) is rejected . For the pooled data, the hypothesis of WE of  $M^*$  (in the  $N^*$  equation) is unsurprisingly rejected , but the corrected estimates of the deterrence effects are close to those reported in Table...

...industry groups, again, the hypotheses of WE of the variables  $M^*$ , PACCORP, and  $M$  are rejected , but, again, the corrected estimates of the retaliatory coefficients are close in size and sign...

...Belsley, Edwin Kuh, and Roy E. Welsch for isolating the effects of influential observations by deleting one observation at a time.<sup>8</sup> Since one observation will probably have little influence in...

...run a block of observations corresponding to a two-digit SIC level of aggregation was deleted . The MLEs of the retaliatory coefficients  $\phi$  and  $\phi^*$  are remarkably robust to outliers. There...

...outliers. The MLEs from the runs disaggregated by industry-bloc groups are influenced by the deletion of the paper industry (resource-intensive goods-Japan) and leather and ceramic goods (SIC = 31...

...the same number and type of variables appeared in both equations, namely imports and exports scaled by consumption, and industry dummies. The results in Table 3 remain qualitatively unaffected except that...

...S.-Japan runs with U.S. all and price NTBs are estimated with larger

standard errors and their t-values drop below 1. The results in Table 4 remained quite robust...

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17/K/30 (Item 30 from file: 15)

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01769251 04-20242

**Conduct unbecoming**

Kozinski, Alex

Yale Law Journal v108n4 pp: 835-878

Jan 1999

ISSN: 0044-0094 Journal Code: YLJ

Word Count: 22643

**Text:**

...be overly influenced by abolitionists from the Brennan and Marshall Chambers." 19 Elsewhere, 20 Lazarus quotes at length from a memorandum he wrote to Justice Blackmun concerning Webster v. Reproductive Health... investigative reporter starting from scratch cannot be certain that any story he picks up is accurate or complete. Reputable journalists therefore require multiple sources or tangible corroboration. Lazarus by contrast provided...

...2 explains that "[t]he law clerk owes the Justice and the Court complete confidentiality, accuracy, and loyalty." 42 Canon 3(C) states that "a law clerk should never disclose to...

...nonpublic documents from the Supreme Court building. 47 Some of the documents Lazarus discusses and quotes (such as his memorandum in Webster 48) he most likely removed himself. Others, such as a...

...journalist, when he writes about matters he learned in confidence as a lawyer, he cannot discard his lawyerly obligations like a pair of old shoes. Lazarus' ...criticisms; 98 it all depends on how much one is willing to trust the perception, accuracy and fairmindedness of Lazarus and his unnamed sources. Unfortunately, the book leaves considerable doubt that... satire.' 26 Yet when conservative clerks indignantly denied there had been such a party, Lazarus deleted the reference. "I believe [there was a champagne party] but I wasn't there," he... BUT LET'S SAY WE DID

Let us assume, nevertheless, that everything Lazarus says is accurate and that his account of goings on at the Supreme Court is pretty much on...

...in many important cases. . . to transparently deceitful and hypocritical arguments and factual distortions as they discard judicial philosophy and consistent interpretation in favor of bottom-line results"; and they "yield great...

...his conviction on two grounds: a Batson violation' 54 in jury selection and a Beck error " 55 in the instructions. 156 Justice O'Connor was recused

and the remaining Justices split...

...found no Beck violation; a different (and shakier) majority of five-possibly joined by Justice Scalia as a sixth-voted that there was a Batson violation. Justice Stevens eventually circulated an opinion reflecting the vote at conference. Justice Scalia responded promptly by joining the Beck portion of the opinion but raising serious objections to ...draft "did not even reflect [the clerk's] own conviction about the best or most accurate interpretation of the statute." 226

It is hard to read this portion of Closed Chambers...the Justices and their minions at work. But such insider knowledge-even if it were accurate and fairly portrayed-gives us very little useful insight. Courts speak through their judgments, and...at 6.

II. Lazarus received a six-figure advance for the book, see *id.* at 13 , which had a first print run in the neighborhood of 50,000 copies, see *id.* at 3.

Footnote:

12. See, e.g., *infra* text accompanying notes 273-274. 13 . See, e.g., *id.*

14. Pamela A. MacLean, *New Book Furor: Kozinski Says Author Can...joining in the chorus.* "Because a lawyer "has a special place as someone deserving of credibility " with respect to his own client, a lawyer's remark about a client or a...

...Richard W. Painter, Editorial, *A Law Clerk Betrays the Supreme Court*, WALL ST. J., Apr. 13 , 1998, at A23 [hereinafter Painter Editorial].

Painter is an authority on legal ethics. See, e...

...2 is as follows: The law clerk owes the Justice and the Court complete confidentiality, accuracy , and loyalty. The Justice relies upon the law clerk's research in reaching conclusions on...to the ubiquitous "burn bags" specially marked paper sacks in which all drafts and other discarded documents must be put. The bags are regularly collected and (contrary to their name) shredded...

...charges of misconduct Lazarus hurls at the Justices and their clerks, and it may lend credibility to Lazarus's claim that he did nothing wrong.

Footnote:

53. Lazarus has made this...Power Behind the Supreme Court: Clerks Give Pivotal Role to Novice Lawyers, USA TODAY, Mar. 13 , 1998, at 1A, 2A ("Several clerks mentioned in the book declined to comment publicly, but...the many internal Court documents, including the drafts and memos of other Justices, that I quote or refer to in the book." LAZARUS, *supra* note 1, at xi. This appears to...like "corruption in the judicial process," *id.* at 517, "a failure of integrity," *id.* at 13 , and "what passed for judging was mostly pretense," *id.* at 422. Does such inflammatory language...*Id.* at 8. Lazarus pins the blame for this on Chief Justice Rehnquist, whom he quotes as saying to a colleague: "'Don't bother so much with the reasoning . . . it will...Marshall Papers. As noted earlier, Lazarus has refused to produce the documents from which he quotes . See *supra* note 50. 218. LAZARUS, *supra* note 1, at 312.

Footnote:

219. *Id.* at...v. Kemp: Race, Capital Punishment, and the Supreme Court, 101 HARV. L. REV. 1388, 1408- 13 (1988), and *The Supreme Court*, 1986 Term-Leading Cases, 101 HARV. L. REV. 119, 158...Ni.

Footnote:

276. Paul Elias, Is Kiss 'n' Tell Book a Supreme Betrayal?, RECORDER, Mar. 13, 1998, at 1 (quoting Lazarus).

277. See Mauro, *supra* note 56, at 1A. 278. Phillips...

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17/K/31 (Item 31 from file: 15)

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01758620      04-09611

**Copyright protectionism and its discontents: The case of James Joyce's  
Ulysses in America**

Spoo, Robert

Yale Law Journal v108n3 pp: 633-667

Dec 1998

**ISSN: 0044-0094 Journal Code: YLJ**

**Word Count: 18366**

**Text:**

...produced them.<sup>12</sup> When installments began to appear in The Little Review in March 1918, <sup>13</sup> Ulysses was launched on its American copyright adventure.

The present copyright law grants protection to...American publisher could risk handling a book chargeable with obscenity, however, Joyce would have to delete or revise certain strong passages. Joyce flatly refused to discuss the question of alterations.<sup>56</sup>...

...and the pirate, in order to overcome the objections that now lie against it, would eliminate the offensive passages. Thus Joyce would lose not only his property but that which as...requirement, rendered a work's copyright merely unenforceable, however, that copyright would arguably be not invalid but only "in suspension," <sup>87</sup> awaiting an event that would render it enforceable. One such...believed that failure to obtain ad interim copyright cast a work irrevocably into the public domain .<sup>89</sup>

Even more persuasively, the courts took this view. There is remarkably little published case...

...on the French edition and hence. . . never obtained one," the court held that "under Section 13 [the deposit and registration provision] they may not sue for infringement of something which they...

...the Register of Copyrights to register a copyright claim in the work he had lately rejected for failure to comply with the statutory provisions. In a brief per curiam opinion, the...

...not inconsistent with the pertinent sections of the Copyright Code, but



in our judgment it accurately reflects the intention of Congress."110

The implications of the extended Candy litigation are unmistakable...the work was free for the pirating-though "piracy" can scarcely be ascribed with legal accuracy to the use of literary expression that has lost its status as private property.

Samuel...V.

Footnote:

10. See Letters from James Joyce to Stanislaus Joyce (Sept. 30 and Nov. 13, 1906), in 2 LETTERS OF JAMES JOYCE 168 & n.4, 189, 190 (Richard Ellmann ed...

...RICHARD ELLMANN, JAMES JOYCE 419-20 (rev. ed. 1982). 12. See id. at 421-22. 13. See id. at 421.

Footnote:

14. The 1976 Act defines creation of a work as...

...1909 Copyright Act.

Footnote:

18. See Act of Mar. 4, 1909, ch. 320, 10, 12-13, 35 Stat. 1075, 1078. 19. Little Review for March, April, May, and June 1918-containing...

...the Ulysses episodes were properly renewed in the name of Joyce's widow on January 13, 1946 (renewal entries 751 to 755 in the Copyright Office), whereupon the original 28-year...a form of unfair competition, "may be accomplished by using the plaintiffs name with literal accuracy in connection with the defendant's product but in a way that nevertheless suggests that...2541, 2588, was postponed to July 1, 1986, by congressional amendment. See Act of July 13, 1982, Pub. L. No. 97-215, 96 Stat. 178, 178 (current version at 17 U...Should [an] ad interim application not be filed, then the work falls into the public domain and there is no valid copyright subsisting in the United States."); Schrader, supra note 63...that time on"); 2 LADAS, supra note 74, at 766 (contending that noncompliance "does not invalidate the copyright" but only prevents the author from bringing an infringement action); cf 2 NIMMER...scholar John Kidd, anticipating to some extent my analysis of the URAA here, has been quoted as saying that the "'Global Agreement on Trades and Tariffs"' restored the American copyright in...

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01753300

04-04291

**Chaos theory: Implications for supply chain management**

Wilding, Richard D

International Journal of Logistics Management v9n1 pp: 43-56

1998

ISSN: 0957-4093 Journal Code: INLM

Word Count: 5518

### Abstract:

...conditions; it has Islands of Stability; generates patterns; invalidates the reductionist view; and undermines computer accuracy . The implications for the management and design of supply chains are discussed.

### Text:

...conditions; it has Islands of Stability; generates patterns; invalidates the reductionist view; and, undermines computer accuracy . The implications for the management and design of supply chains are discussed.

The term chaos...

...of phase space is an integer [12]. Chaotic systems display discernible patterns when viewed. Stacey [ 13 ] emphasises this by defining chaos as, "order (a pattern) within disorder (random behavior)".

Professor Ian...

...due to the nature of the system there are fundamental limits to the horizon and accuracy of prediction. Past patterns of system behavior are never repeated exactly, but may reoccur within...stable or periodic [17].

The magnitude of the exponent gives a reflection of the time scale over which the dynamics of the system are predictable, so the exponent can be used...

...been reached, the future dynamics of the system become unforecastable. This occurs because any small error is amplified so that the magnitude of the dynamics generated by the error exceeds the original dynamics being measured. This results in cause and effect relationships between current... nature of the patterns generated and the quantitative limits within which the pattern will move [ 13 ].

Chaos Invalidates the Reductionist View One consequence of chaotic systems is that in general the...

...analysis [24]. It is then believed that the analysis of the individual parts gives an accurate insight into the working of the whole system. This methodology of reductionism is also often...

...in all cases be beneficial to the operation of the global system.

Chaos Undermines Computer Accuracy Even simple equations can behave chaotically and these can have a dramatic effect on perceived computer accuracy . To demonstrate this phenomena a simple example will be described. The example demonstrates chaos by...

...development of science and technology, but also in economy and politics are based on large- scale computations and simulations. Unfortunately, we can not take for granted that an honest error propagation analysis has been carried out to evaluate the results.

## Methodology

In the remainder of...

...27]. It has been tested widely in industry and is shown to mimic with good accuracy the characteristics of actual warehouse supply chains. The simulation has been subjected to rigorous validation...chain's ability to satisfy end customer demand.

The data used for analysis was the time series output of the apparent inventory level within warehouses in the simulated supply chain. This is...

...pattern generated by the warehouse.

## Searching for Chaos

The tools for analysis of non-linear time series data are reasonably advanced and have been applied to a variety of systems. The analysis...

...described earlier in this paper.

## Chaos Exhibits Sensitivity to Initial Conditions

Rigorous analysis of the time - series data generated by the supply chain simulation has found positive positive lyapunov exponents are present ...

...of the supply chain may result in detrimental performance in another echelon. Chaos Undermines Computer Accuracy As demonstrated above, deterministic chaos can be generated by simple equations in standard spreadsheets. The...pull from the customer, which is the basis of such techniques, can be seen to eliminate feedback and consequently the conditions required producing further chaos. However, the misapplication of lean manufacturing...Henry D.I, Analysis of Observed Chaotic Data, New York: SpringerVerlag, 1996, pp. 15, 199.

[ 13 ] Stacey, Ralph D., Strategic Management and Organizational Dynamics, London: Pitman Publishing, 1993, p. 228.

## Reference...

...J.B. Swift, H.L. Swinney and J.A. Vastano, "Determining Lyapunov Exponents from a Time Series ," Physica, Vol. 16D, (1985), pp.285-317.

[18] Shaw, R., "Strange Attractors, Chaotic Behavior, and...

...Nevils, "Using Spreadsheets to see Chaos," Journal of Computers in Mathematics and Science Teaching, Vol. 13 , No. 3 (1994), pp.321-38.

[27] Wilson, Mike, "Inventory Simulation - The Testing of Strategies...

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17/K/33 (Item 33 from file: 15)

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01748071 03-99061

**Duties of care under the Revised Uniform Partnership Act**

Martin, Gerard C

University of Chicago Law Review v65n4 pp: 1307-1331

Fall 1998

**ISSN:** 0041-9494 **Journal Code:** UCL

**Word Count:** 10764

**Text:**

...Indeed, the UPA explicitly incorporates principles of agency,<sup>13</sup> and the Restatement (Second) of Agency quotes the UPA in distinguishing agents and partners."<sup>4</sup> The Comment to Section 14A of the...negligence or ignorance."<sup>34</sup> In contrast, the common law holds other paid agents who commit errors of judgment liable to their principal unless they act with standard knowledge and care.' The...

...partners acting as agents, the court stated that "it falls outside of the proper judicial domain to inquire into and second-guess the prudence of particular business decisions honestly reached by...partners when they make negligent managerial decisions.<sup>49</sup> This reliance is misplaced. The Roper court rejected the defendants' argument that a general partner may be likened to a corporate director" who...

...the cases' is that they intended an explicit, comprehensive treatment of partners' duties. The most plausible understanding of the Subcommittee's language is that the RUPA ...yet prepared to impose a 'prudent person' liability rule among partners."<sup>7</sup> The Committee also rejected a reasonable care" and "standard care and skill" liability rules, reasoning that "the default rule should...

...the losses caused by each other's ordinary negligence.'<sup>7s</sup>

The Committee appears to have rejected the agency-based case law standard, in favor of a more lenient standard comparable to...policy considerations. As the official Reporter notes, "At first glance, it might sound preposterous to reject the conclusion that partners owe each other the duty to use reasonable care."<sup>3</sup> It...law rules of agency, on the specific matter of duties owed between partners, the RUPA rejects the common law standard. There is clearly no ordinary care standard among partners under the...

...unpredictability expressed in Part II.B.1, was that directors would be unable to predict accurately what actions the judiciary would deem to be insufficiently informed or based on inadequate procedures...in subsections (b) and (c) of the Act. Those duties may not be waived or eliminated in the partnership agreement, but the agreement may identify activities and determine standards for measuring...

...principal and agent, under which every agent is a fiduciary. See Restatement (Second) of Agency 13 (1957).

**Footnote:**

partnership and to the other partners. There is no statutory duty of care ...

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17/K/34 (Item 34 from file: 15)

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01743202

03-94192

### Administrative common law in judicial review

Duffy, John F

Texas Law Review v77n1 pp: 113-214

Nov 1998

ISSN: 0040-4411 Journal Code: TRX

Word Count: 55570

#### Text:

...made law accelerated. Decades after the enactment of the APA, Professor Kenneth Culp Davis could accurately note: "Perhaps about nine-tenths of American administrative law is judge-made law, and the...

...review of administrative action, an area that Professor Louis Jaffe described in 1965 (again, quite accurately) as encompassing "a whole congeries of judicial theories and practices"-a "body of power and...

...twentieth centuries as an alternative to regulation by common-law courts; their creation signaled a "rejection of the common law system."<sup>9</sup> Enthusiasm for new expert agencies was coupled with pessimism...interpreted as an authorization for federal equity courts to engage in lawmaking-or perhaps more accurately, an authorization for them to continue applying the preexisting federal equity law (developed prior to...

...law that presumptively ensures access to judicial review. Jaffe's view may, at first, seem plausible to a modern reader. McAnnulty's assertion of a "general[] . . . jurisdiction to grant relief" does...of Case v. Borak<sup>3</sup>-one of the pillars of the New Federal Common Law<sup>13</sup>-and drew a sharp distinction between "state courts of general jurisdiction still enforcing the common...dicta. The reasons for the change are not clear: The Court may have wanted to eliminate appellate deference to the equitable discretion of a trial court, particularly where the trial court...remedy in a court."<sup>233</sup> It then turned to the third sentence of the section (quoted above), which defines in what circumstances failure to take an agency appeal precludes review by...APA's text and statutory structure-indicates that the rule has no proper place there. Eliminating common-law exhaustion in APA cases promises more coherent and predictable law and, more importantly...

...Cases.

Like exhaustion, ripeness doctrine has no place in the APA, and the case for eliminating ripeness from APA actions is at least as strong as the case made against exhaustion...

...that "ha[s] the force of principles" enunciated in prior decisions, but that does not eliminate judicial power to declare new "modifications and exceptions."<sup>242</sup> That is how the Court treated...that Abbott has become a vulnerable precedent, and it has: The Seventh Circuit has already discarded Abbott's ripeness test and begun to follow the APA.<sup>263</sup> But before turning to...in a single paragraph, the entirety of which is set

forth in the two block quotes above.<sup>268</sup>The Court cites no statutory or case authority to support the doctrine but does...

...s valuation report was not such an order because, as Brandeis explained in a "much quoted" <sup>285</sup> passage, it was not compulsory:

The so-called order here complained of is one...in *Frozen Food Express*, the Court similarly focused on the word "order"—keeping it in quotes throughout the opinion—in sustaining jurisdiction to review an ICC decision that certain commodities did...aggrandizes judicial discretion beyond that authorized by statute.<sup>329</sup>

#### D. Ridding APA Cases of Ripeness

Eliminating the word "ripeness" from the analysis is the best first step to heeding the commands...That was the view of then-Professor Scalia, who viewed the Supreme Court as "definitively reject [ing]" the theory that courts have a "common-law power" to supplement the APA.<sup>34</sup>...

...that do not violate statutory or constitutional law, and, curiously, it is possible (though less plausible) to read the APA as authorizing exactly the kind of judicial review of agency procedures...APA provides a reason why Vermont Yankee's exceptions should be kept narrow or, better, eliminated altogether: Unlike an area in which the courts have a statutory basis for review (such...<sup>44</sup> it would be wrong to assume that, even if this view were an accurate assessment of preexisting law, the APA ratified it. Moreover, the Report of the Attorney General...

...the implicit delegation theory lacks any solid basis in actual congressional intent.<sup>428</sup> Even Justice Scalia, in championing the implicit delegation theory, admits that it is based on "a fictional, presumed...

...we must ask, would an executive branch agency fare before the Supreme Court (especially Justice Scalia) if it were to admit that its statutory authorization for one of its programs—to...

...of its own creation. Professor Sunstein has rightly concluded that "it would be a major error to treat ...the exception."<sup>43</sup> Given the prevalence of such statutory delegations, it may be a major error to treat any ambiguity as a delegation to an agency. Indeed, the ubiquity of express...

...by law" demanded by Section 558(b) for an agency to issue "substantive rules" and eliminates the need for an implicit delegation theory, with all its weaknesses. The importance of this...s premise—that Chevron has no application to agency interpretations of criminal statutes—is not accurate, as just discussed. The *Trans Union* court also relied on D.C. Circuit precedent deferring...called nondominant long-distance carriers (i.e., all carriers except AT&T), but the Court rejected that view of the law. Though the majority included an obligatory cite to Chevron,<sup>4</sup> it...chancery" without the usage seeming objectionable. *Pennsylvania v. Wheeling & Belmont Bridge Co.*, 54 U.S. (13 How.) 518, 563 (1851).

8. See Posner, *supra* note 7, at 187 ("Statutory and constitutional 32 (1812). 12. *Id.* at 34.

13. *Wheaton v. Peters*, 33 U.S. (8 Pet.) 591, 658 (1834). 14. 41 U.S...v. *Lansing*, 7 Paige Ch. 582, 586 (N.Y. Ch. 1839). 56. 54 U.S. (13 How.) 518 (1851).

Footnote:

57. Id. at 565-66. Pennsylvania brought this original action in...

...obstruction.' Id. at 565-66.

58. See 1 JAMES W. EATON, HANDBOOK OF EQUITY JURISPRUDENCE 13, at 39 (2d ed. 1923); 2 JOSEPH STORY, COMMENTARIES ON EQUITY JURISPRUDENCE 927 (photo. reprint...9 THE PAPERS OF THOMAS JEFFERSON, 1785-1786, at 71 (Julian P. Boyd ed., 1954), quoted in *Missouri v. Jenkins*, 515 U.S. 70, 128 (1995) (Thomas, J., concurring). 61. Act...

...time to time, prescribe").

Footnote:

70. *Pennsylvania v. Wheeling & Belmont Bridge Co.*, 54 U.S. (13 How.) 518, 563 (1851). 71. Id. at 564-65.

72. Some scholars have argued that...conclusion was *Unger v. United States*, 79 F. Supp. 281 (E.D. Ill. 1948), which rejected the A.G.'s interpretation of the Act because the legislative history shows that "Congress...

...though the Supreme Court in *Lujan v. National Wildlife Federation*, 497 U.S. 871 (1990), rejected the view that \*the judicial review provision[s] of the APA [are] no more than...federal judicial legislation); cf. MORTON J. HOROWITZ, *THE TRANSFORMATION OF AMERICAN LAW 1780-1860* 10-13 (1977) (concluding that the controversy over federal common law in the early history of the...

...that he was championing federal common law. But in doing the former, he had to reject the argument advanced by the critics of Erie that "the grant of judicial power in...189 (1993); *Citizens to Preserve Overton Park, Inc. v. Volpe*, 401 U.S. 402, 410-13 (1971); *Heckler v. Chaney*, 470 U.S. 821, 828-35 (1985) (all discussing the breadth...when the courts overlooked 704 for forty-seven? 238. The latter phrase may be more accurate because it emphasizes the supremacy of the legislation (i. e., the enacted text) rather than...adequate remedies for the correction of errors" because the carrier was free to contest the accuracy of the report in any future trial. Id. at 312. 287. Id. at 313 (emphasis...

...reversed anyway because a three judge district court was not authorized for that jurisdiction. By rejecting the possibility of the general equity jurisdiction, Brandeis averted an additional round of litigation before...

...a statutory exemption to a railroad). Rochester ended this difference between the two jurisdictions by eliminating a prior interpretation of the Urgent Deficiencies Act known as the "negative order doctrine." Rochester...4548 (Harlan, J., dissenting); *United States v. Storer Broad. Co.*, 351 U.S. 192, 206-13 (1956) (Harlan, J., dissenting on reviewability, but concurring on the merits); Vining, *supra* note 41...with Vining, *supra* note 41, at 1516 (urging the Court to "take the step" of eliminating ripeness). Some of the academic accolades for Abbott's ripeness doctrine are not surprising, given...part). 338. Id. at 929 (Cudahy, J., concurring in part and dissenting in part). 339. Eliminating Abbott's ripeness test from APA cases can only expand parties' rights to judicial review...

...requirements of the APA are not satisfied, nonstatutory or equitable review is always available, so eliminating Abbott's balancing test can only expand opportunities for judicial review. Of course, requiring a...note 345, at 346-48.

Footnote:

354. Vermont Yankee, 435 U.S. at 535 n. 13 , 549 n.21.

355. Id. at 545 (quoting S. REP. No. 79-752, at 14...court). 362. Compare 5 U.S.C. 551(12), with 5 U.S.C. 551( 13 ). 363. Id. 551(12) (emphasis added). 364. Id. 551( 13 ).

365. See Administrative Procedure Act, ch. 324, l(g), 60 Stat. 237, 238 (1946) (codified...the New Deal, 101 HARV. L. REV. 421, 468 (19>noting that Chevron does not accurately reflect congressional intent since '[t]he APA-the basic charter governing judicial review and Chevron...Univ. Hosp., 488 U.S. 204, 216 (1988) (Scalia, J., concurring) (noting that the only plausible interpretation of the APA's "future effect" requirement is that "the rules have legal consequences...see also Crandon v. United States, 494 U.S. 152, 177 (1990) (Scalia, J., concurring) ( rejecting the application of Chevron to a criminal statute because criminal statute because criminal law "is...

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01735289      03-86279

**ISO 14000 and environmental cost accounting: The gateway to the global market**

Lally, Amy Pesapane

Law & Policy in International Business v29n4 pp: 501-538

Summer 1998

**ISSN: 0023-9208 Journal Code: LPI**

**Word Count: 15129**

**Text:**

...to the EMS. Top management review of the EMS is necessary to give the system credibility and to reinforce its diligent operation. Management review differs from an audit in that an and prioritize their significance. To determine significance, ISO 14004 suggests analyzing "the scale of the impact, its severity, the probability of its occurrence, [and] the duration of its impact."47 Note that a failure to analyze each of the characteristics does not invalidate a company's decision regarding the significance of its environmental impacts. ISO 14004 is a...

...addresses information gathering and disclosure and substantive compliance provisions. ISO 14020 directs companies to produce accurate labels, on the basis of scientific results, and to make such research and the meaning...

...wish to self-declare and make an environmental claim (through statements, symbols, or packaging) . The credibility of such a claim rests on the company's reputation.59 Guidelines are also available...



...themselves are not judged on the merits. The criteria are judged for emphasis on scientific information, accuracy, and verifiability. Hence, an ISO 14024 certification is only as good as the selection criteria... modicum of practicality when choosing a third party auditor. Characteristics of an acceptable auditor include: credibility at home and abroad, competency when examined against the backdrop of ISO 14012, and consistency...implementation signals a company's commitment to environmental stewardship. A successful ISO 14000 program lends credibility to the recommendations and findings of industry and could alter the course of agency decision...

...best position to supplement the knowledge of the agency. A successful ISO 14000 program lends credibility to this information and the result is a regulation that is mutually agreed upon and...will be pursued with zeal. Seemingly good projects without any long-term benefit will be discarded from the company's agenda after the company's environmental watchdogs assess the environmental risks...

...simple example of ECA, a company would identify its hazardous waste, brainstorm on ways to eliminate the waste, and then track the costs of the option chosen.<sup>148</sup> Additionally, the search...beneficial goods is destroyed. Of the principles governing eco-labeling, the focus lies on the accuracy and verifiability of the information and the integrity of the process used to obtain the...

...or not, LCAs are the cornerstone of ECA. LCAs follow a product from inception to elimination, from cradle to grave,<sup>71</sup> as the analysis informs a company of the total environmental...note 4, at 310.

12. EPA Pollution Prevention Strategy, 56 Fed. Reg. 7849, 7850 (1991). 13 . Henry P. Baer, Jr., ISO 14000: Potential Compliance and Prevention Guidelines for EPA and DOJ...

...equal." See, e.g., Benson, supra note 4, at 315 n.39; Baer, supra note 13, at 927 n.2.

20. W.M. VON ZHAREN, ISO 14000: UNDERSTANDING THE ENVIRONMENTAL STANDARDS ...

...at 28. 34. Sensor & FELDMAN, supra note 5, at 32. 35. See Baer, supra note 13, at 927. 36. See TisoR & F.nMN, supra note 5, at 50. 37. See id. at...14000 are further developed in Part III of this Note.

66. See Baer, supra note 13, at 928 n.3.

67. TIBOR & FELDMAN, supra note 5, at 132-33.

68. See...

...RAO Gazprom Receives EBRD Loan to Upgrade Gas Supply System, Rus,so ExpResS BRIEFING, Jan. 13, 1997, available in 1997 WL 9450601.

Footnote:

75. Uruguay Round Trade Agreement-, Texts of Agreements...

...83. Many states have adopted some type of "audit privilege," but these attempts have been rejected by the EPA. See id. at 109. In response, the EPA is considering withdrawing the...facilities and operations, (9) research, (10) precautionary approach, (11) contractors and suppliers, (12) emergency preparedness, (13) transfer of technology, (14) contributing to the common effort, (15) openness to concerns, and (16...

...company, its suppliers, and its consumers. See id. at 42.

Footnote:

114. President Clinton is quoted as saying: "Project XL is built on the simple premise that in many cases companies...seek certification, yet only 32% felt it would actually improve quality. See Baer, supra note 13, at 964. 129. Orenstein, supra note 120.

130. Sixty-seven percent of Thailand's GDP...

...such compliance audits, and as a company gains a reputation for being "green" it gains credibility and is less likely to be required to perform compliance audits for regulatory bodies. See...

...approach. See Interleaf Interleaf Helps Take Glitsch to ISO 9002 in Record Time, PRUSSWIRE, Feb. 13, 1997, at M2. Its client companies benefited by obtaining an edge on the competition: they...Next-Generation Environmental Management, supra note 140.

Footnote:

155. WILLUMS & GoLUKE, supra note 3, at 13. 156. Focus Report, supra note 144. 157. Id.

Footnote:

158. See Lenckus, supra note 127...

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17/K/36 (Item 36 from file: 15)

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01715117 03-66107

**The error detection of structural analytical procedures: A simulation study**

Chen, Yining; Leitch, Robert A

Auditing: A Journal of Practice & Theory v17n2 pp: 36-70

Fall 1998

**ISSN: 0278-0380 Journal Code: APT**

**Word Count: 14850**

**Text:**

...model founded on the balances of a particular account. The X-11 model is a time-series model which explicitly incorporates trends and seasonality in account balances. The Martingale model simply considers... have examined the performance of several statistical models such as univariate regression, multivariate regression, univariate time-series, multivariate time-series, and X-11 models. Generally, research has shown multivariate time-series models with the greatest information

requirements and computational sophistication to be superior in predictive power...

...and Colbert (1989) and Wheeler and Pany (1990) have gone beyond the examination of prediction accuracy and investigated the error detection performance of statistical analytical procedures. They found that models requiring more relevant information and greater sophistication produced significantly more accurate expectation amounts and performed better in error detection. Again in contrast, Icerman et al. (1993), in an examination of predictive ability and error detection, found that the use of sophisticated time - series models on quarterly data could be questioned from a cost-benefit perspective. In particular, they...

...both structural relationships among accounting numbers (endogenous variables) and relevant exogenous economic variables into econometric time - series or prediction models. Nonstructural models, in contrast, do not explicitly incorporate these relationships. If accounting...

...variables, reflect the underlying interdependencies of the economic process, the structural model should provide more accurate predictions of accounting numbers and perform better in terms of error detection than nonstructural models...

...1978), in an early investigation of the use of structural models, concluded that they predicted accurately for income statement accounts but not for certain balance sheet accounts. Wild (1987) investigated the... approach. A summary is provided in table 1. For the positive approach, the risk of rejecting the population as being in material error when in fact  $IEI=0$  is controlled at...

...is shown in table 1 panel C. Duke et al. (1985) simply call the incorrect rejection of the book amount the sampling risk at 0 as  $SR(0)$  and the incorrect...

...M as  $SR(M)$ . In this manuscript, we follow Smieliauskas (1990) and define the incorrect rejection of the book amount as the alpha risk and the incorrect acceptance of the book...1

#### Phase 4: Error Seeding and Investigation Rules

Once the simulated data have been constructed, errors are systematically seeded into the data in phase 4. The same types of errors used by Wheeler and Pany (1990) are used in this study because these are errors commonly encountered by manufacturing and retail companies. The errors and the accounts affected are summarized in appendix A in table A.1. I . Errors are seeded in the 12-month prediction period. 12 Only the results for no error ( $IEI=0$ ) and material errors ( $IEI=M$ ) are reported in this manuscript. We use Warren and Elliott's (1986) empirically...

...relative way as 1 percent of the account's annual balance. This definition affords some scaling for these accounts, which may be overwhelmed by a more global definition based on sales...

...s (1986) definition, making our test of each model's ability to detect a material error much more stringent than the use of 0.5 percent of annual sales.13 As...

...simulated companies x 2 materiality levels ( $IEI=0$  and  $IEI=M$ )x 7 accounts tested) time - series are generated for each time period. To determine to what extent the achieved alpha and...

...expectation models' prediction error or decision risks are equal, the

proposition is tested directly and rejected if a significant difference is observed. When a proposition is that the models' prediction error...of each expectation model, we first need to consider both its confidence interval and prediction accuracy. The mean absolute percentage prediction errors (MAPE) and mean prediction errors (MPE) summarize the difference between confidence intervals and prediction accuracy of the models tested and their potential influence on the alpha and beta decision risks...

...lower level of alpha risk at IEI=0. However, alpha risk also depends on the accuracy of the expectation model. For example, the MPE error can be so large that the...and economic activities in a manner similar to the structural models. Specifically, stepwise models incorporate plausible independent variables that contribute significantly to the explanatory power of the model. The independent variables in this research are chosen from a group of endogenous and exogenous variables that are plausible as shown in footnote 8, thus the stepwise equations are not completely contemporaneous. Given Wild...

...positive approach is expected to be the same for all the models because a common rejection area ( $\alpha = .33$ ) is applied to each model. While beta risk is not controlled at...

...negative approach is expected to be the same for all the models because the common rejection area ( $\alpha = .33$ ) is applied to each model. In contrast to that above, while the...would cause a large alpha risk and a small beta risk. Icerman et al. (1993, 13) likewise concluded that the X-11 model's poor performance may...mapping can not explain all that affects risk behavior, especially when predictions are not very accurate as indicated by a high MPE.

Although the details are not presented here, there is...and MPE can be mapped into an estimation model's respective confidence interval and prediction accuracy. In particular, it has been shown that ARIMA and Martingale minimize the risk (alpha and...use unaudited accounting data. This may be less of a concern because of the increased accuracy of accounting systems, as noted by Elliott (1995, 118).

Fourth, the performance of the structural...

...1993), for example, found significant support for the inclusion of nonfinancial variables in regression and time - series models.

3) A generic structural model was tested in this study. Practitioners and auditors have...

...the interrelationships among the accounts and their relationships with exogenous variables. The ARIMA, X-11 time series and Martingale models may be easier to track with respect to ex ante risks; but...data set and its variance-covariance matrix to simulate 100 sets of data for four time series.

Footnote:

The five companies are selected from the list of companies identified by Silhan (1982...random occurrences for each month and the percentages represent a larger sample of possibilities.

Footnote:

13 The definition of materiality used in this study for ADM, DEP and INT is, in...Ang, J. S., J. H. Chua, and A. F. Fatemi. 1983. A comparison of econometric, time series, and composite forecasting methods in predicting accounting variables. Journal of Economics and Business

(August): 301...

...Kincaid. 1985. Numerical Mathematics and Computing. New York, NY: Dekker.

Cogger, K. O. 1981. A time - series analytic approach to aggregation issues in accounting data. Journal of Accounting Research 19 (Autumn): 285 ...

...procedure expectation models using both aggregate and disaggregate data. Auditing: A Journal of Practice & Theory 13 (Fall): 1-24. Elliott, J. W., and H. L. Uphoff. 1972. Predicting the near term...Lorek, K. S., B. C. Branson, and R. C. Icerman. 1992. On the use of time - series models as analytical procedures. Auditing: A Journal of Practice & Theory 11 (Fall): 66-87. Neter...

...have different sales behavior patterns. Following Wheeler and Pany (1990), the five companies represent different time - series sales behavior patterns commonly encountered by auditors. These patterns differ in the combination of time - series properties (i.e., trend, cycle and seasonality). Figure A.1 graphically depicts the time - series behavior of each company's sales for the 20 quarters ending December 31, 1990. Second...

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17/K/37 (Item 37 from file: 15)

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01706822          03-57812

**Textualism, the unknown ideal?**

Eskridge, William N Jr

Michigan Law Review v96n6 pp: 1509-1560

May 1998

**ISSN: 0026-2234 Journal Code: MLW**

**Word Count: 26034**

**Text:**

...and only the words, without regard to arguments of fairness or political equilibrium (pp. 9- 13 ). This constitutional basis for the plain meaning rule gives it greater bite and may explain...consult, and never rely on, the legislative history of a statute (pp. 29-37). The rejection of legislative history and insistence that judges follow plain meanings even when unreasonable contribute to...

...practiced by attorneys and judges (pp. 18-22, 31), and theorized as either reconstructing the probable "intent" of the legislature (pp. 16-17) or resolving cases commonlaw style, so as to reach the most "desirable result" (pp. 12- 13 , 2122). Scalia suggests that statutory interpretation can again be an objective "science" (p. 14) if...the original meaning of the text" (p. 45). Scalia's position on constitutional interpretation -- which rejects an evolving, au courant Constitution in

favor of an originalist, stagnant one - is subtly and...to be physical and helper work, as these sources suggest, Scalia has less cause to reject the result in Holy Trinity Church.<sup>30</sup> What is significant is that Scalia was not...

...of legislative history. The most doctrinally distinctive feature of his statutory jurisprudence is its sweeping rejection of legislative history. Scalia considers the legislative discussion prior to a statute's enactment not...

...imported pastor. In statutory cases, Scalia will often concur only in the judgment because he rejects the majority opinion's use of legislative history.<sup>33</sup> In the 1996 Term, he went...much of the appeal of the new textualism is its neutrality and its aspiration to eliminate all judicial activism, then any substantive slant is worrisome.

## II. THE PROBLEM OF AUTHORITY

Scalia...intent. In such cases, he urged judges "to expound the statute by equity" and to reject unreasonable consequences "where some collateral matter arises out of the general words" of the statute...

...Court of Appeals in that case allowed the governing board of William and Mary to eliminate the chair of grammar, which had been specifically mandated in the decree creating the college...<sup>60</sup> which the Court found unconstitutional in *INS v. Chadha*, the legislative veto case.<sup>61</sup>

Scalia is right that the Court should not consider legislative background materials to have the authority...

...pressing the argument to deny the relevance of legislative materials to the interpretation of statutes, Scalia reads too much into the bicameralism and presentment requirements, however. *Chadha*, itself quoting a Senate...

...alter legal rights and duties.<sup>62</sup> That is precisely the effect of the legislative veto invalidated in *Chadha*. In contrast, committee reports consulted to explain the meaning of the statute do...arguments for excluding legislative history remain unproven or unfounded, the economic argument is not only plausible, but receives some support from my analysis of Holy Trinity Church. Even with the aid...Supreme Court, in a majority opinion by Justice Scalia, affirmed the nontextualist Ninth Circuit and rejected the various equivalence rules created by the textualist circuits. The Court held that, so long...

...the Ninth Circuit thought it precluded by the statutory text, Congress had specifically considered and rejected the result, and most of the bankruptcy bar felt a contrary result mandated by the prevail when a regulatory statute is susceptible of two plausible readings, but Scalia dismissed that use as colloquial and idiosyncratic to that dictionary.<sup>135</sup> Scalia...

...Code in 1984, but was unmoved by the federalism arguments that moved the Court: Congress rejected an amendment which would have guaranteed the integrity of state foreclosure sales.<sup>140</sup> In contrast...

...the prosecution in Holy Trinity Church in 1892 approaches that level of unreasonableness, assuming the accuracy of Brewer's description of Congress' values, goals, and beliefs. Why shouldn't interpreters be... practice of freely allowing ministers and other professionals into the country. Only Scalia appears to reject all these normative considerations. But in *BFP*, federalism played the spiritual role for Scalia that...Court's reputation as a protector of the rule of law, and the objectivity and credibility it creates, or gives the illusion of

creating, will protect the Court when it confronts...naked, so that if the judge is wrong she alone will bear responsibility for the error . Consider an example: If the NBA Commissioner suspended a player for rescuing another player from...

...the antifighting policy and the preservation of human life. I should like to think that Scalia would agree, as a matter of interpretation.

Footnote:

1. NBA Rule 12A, Section IX(c...of Justice of the House Comm. on the Judiciary, 101st Cong., 2d Sess. (1990).

Footnote:

13 . See Bradley C. Karkkainen, "Plain Meaning": Justice Scalia's Jurisprudence of Strict Construction, 17 HARV...

...than ten years ago. Better evidence for my proposition in the text would be a time - series study of decisions in particular state courts or federal circuits. This would be a great...its brief. The United States did not challenge the definitions. Compare Brief for Plaintiff in Error , 11-13 , Holy Trinity, 143 U.S. 457 (discussing the dictionary and judicial definitions of labor and service) with Brief for Defendant in Error , Holy Trinity, 143 U.S. 457 (providing no response). 32. E.g., Smiley v. Citibank ...

...See Bank One Chicago v. Midwest Bank & Trust Co., 116 S. Ct. 637, 645 (1996) ( Scalia , J., concurring in part and in the judgment); Thunder Basin Coal Co. v. Reich, 510 U.S. 200, 219 (1994) ( Scalia , J., concurring in part and in the judgment); Conroy v. Aniskoff, 507 U.S. 511, 518 (1993) ( Scalia , J., concurring in the judgment); United States v. Thompson/Center Arms Co., 504 U.S. 505, 519 (1992) ( Scalia , J., concurring in the judgment); Sullivan v. Finkelstein, 496 U.S. 617, 631 (1990) ( Scalia , J., concurring in part); Green v. Bock Laundry Mach. Co., 490 U.S. 504, 527 (1989) ( Scalia , J., concurring in the judgment); Blanchard v. Bergeron, 489 U.S. 87, 97 (1989) ( Scalia , J., concurring in part and in the judgment); INS v. Cardoza-Fonseca, 480 U.S. 421, 452 (1987) ( Scalia , J., concurring in the judgment).

34. See Associates Commercial Corp. v. Rash, 117 S. Ct...

...S. Ct. 2365, 2373-74 (1997). 36. Hamilton may have had a similar understanding, but Scalia dismisses him as an outlier on this issue. See Printz, 117 S. Ct. at 2374-75, 2375 n.9.

37...56. See Warder v. Arell, 2 Va. (2 Wash.) 282, 299 (Va. 1796) (Carrington, J.) ( rejecting "strict rules of grammatical construction" in favor of "the spirit, as well as the just...

...1800) (similar).

57. See Anderson's Admrs. v. Anderson, 1 N.C. (Mart.) 3 (1789) ( rejecting plain meaning to achieve an equitable result); Hall v. Feild, 1 Del. Cas. 54 (1795...

...1991). The argument in the text is made at some length in Manning, supra note 13 . Manning does not follow Scalia in arguing for exclusion of legislative history; he mainly argues...note 65, at 228-33 (Hamilton), and it is in that discussion that the language quoted in the previous sentence of the text is found. See id. at 230. Hamilton's...

...religion had any constitutional problem. See Reynolds v. United States, 98 U.S. 145 (1878) ( rejecting a similar free exercise claim by Mormons);

see also Employment Division v. Smith, 494 U...add "artisans" - not professionals or writers - to the list of those exempted. The amendment was rejected . See 16 CoNG. REC.1837 (1885).

102. Morgan specifically considered exempt those "[p]eople who...the White approach.

Footnote:

In the Tanner Lectures, Scalia adds an odd caveat for congressional elimination of state sovereign immunity, and by analogy, for congressional regulation of the states qua states...

...Gregory). 129. BFP, 511 U.S. at 565-69 (Souter, J., dissenting). 130. Scalia had rejected such an aggressive canon for determining statutory preemption in a case involving federal regulation of...U.S. at 225-26, 226 n.2, 228 n.3 (explaining the Court's rejection of the definition in WEBSTER'S THIRD NEW INTERNATIONAL DICTIONARY and related Webster's products ...

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17/K/38 (Item 38 from file: 15)

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01678534      03-29524

**Should courts consider 18 USC section 3501 Sua Sponte?**

Miller, Eric D

University of Chicago Law Review v65n3 pp: 1029-1058

Summer 1998

**ISSN:** 0041-9494 **Journal Code:** UCL

**Word Count:** 14187

**Text:**

...demonstrate that the suspect received the required warnings and "knowingly and intelligently waived his rights. 13

The initial public reaction to Miranda was hostile, largely because many people believed that it...on the issue of voluntariness of the confession.19

This totality of the circumstances test eliminates Miranda's bright line rule, which requires the police to advise the suspect of his...

...stated its reasons for not enforcing the statute vigorously, but at least two reasons seem plausible . First, government lawyers may believe that the bright line Miranda rules are easier for law...

...it.' The totality of the circumstances rule is the one approach that the Court unambiguously rejected . Although the Court has subsequently indicated that the procedural safeguards of Miranda are \*not themselves...



...standards" to protect constitutional rights,<sup>47</sup> it does not necessarily follow that Congress may simply eliminate the safeguards. C. Justice Scalia's Concurrence in *Davis v United States*<sup>4</sup> After many ...Interstate Commerce Commission, were unreasonable as applied to cars on private track.<sup>93</sup> The Court rejected the stipulation, observing that "[i]f the stipulation is to be treated as an agreement...decide the case according to principles that may be incorrect, a practice that damages judicial credibility . It does not follow from the proposition that the executive has discretion in beginning and...

...The former is committed exclusively to the executive. The latter, however, is generally within the domain of the judiciary; the executive branch has no more power than any other litigant to...

...other kinds of cases. An appellate court, for example, may raise the issue of harmless error sua sponte even when the government has failed to argue it.<sup>145</sup>

The distinction between...made or given orally or in writing.' 18 USC 3501(e) .

" A proposed Section 3502, eliminated from the final version of the act, would have applied to federal review of state...

...be more than speculation; a warning is a clearcut fact." ). Note that the statute also eliminates Escobedo's rule excluding statements elicited after the accused requested and was refused an opportunity...*United States v Leong*, 1997 US App LEXIS 15480, \*11 (4th Cir), the Fourth Circuit rejected the government's argument that the defendant was not in custody for Miranda purposes at...believed the majority agreed. *Independent Insurance Agents*, 955 F2d at 741-42 (Silberman dissenting). The quoted language from Judge Sentelle's concurrence in the denial of rehearing en banc, which the...

...not been entered in the Senate's journal). It was this argument that the Court rejected . *Id* at 261-63, 266-67.

The case is relevant here because its language has...law"); *King v United States*, 641 F2d 253, 258 (5th Cir 1981) (citing *Swift* in rejecting a stipulation purporting to allocate the burden of proof). " 498 US 73, 77 (1990). 0...

...v Price, 75 F3d 1440, 1443-44 (10th Cir 1996) (citing *Independent Insurance Agents* to reject the defendant's suggestion that "if the government responds to a suppression motion based on...

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17/K/39 (Item 39 from file: 15)

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01678394

03-29384

**The processes of organization and management**

Garvin, David A  
Sloan Management Review v39n4 pp: 33-50  
Summer 1998  
**ISSN: 0019-848X Journal Code: SMZ**  
**Word Count: 12007**  
**Text:**

...problems caused earlier) is typically less than 5 percent of total processing time.<sup>8</sup>

To eliminate inefficiencies, both movements suggest that work processes be redesigned. In fact, both implicitly equate process...

...show all the steps in a process; the process is then made more efficient by eliminating multiple approvals and checkpoints, finding opportunities to reduce waiting time, smoothing the handoffs between departments...

...<sup>12</sup> Existing work processes are assumed to have many desirable properties; the goal is to eliminate unnecessary steps and errors while preserving the basic structure of the process. Improvements are continuous and relatively small scale. Reengineering, by contrast, calls for radical change. <sup>13</sup> Existing work processes are regarded as hopelessly outdated; they rely on work practices and a...

...<sup>16</sup> Managers can improve a process, they believe, only if they first measure it with accuracy and assure its stability.<sup>17</sup> After improvement, continuous monitoring is required to maintain the gains...bundle them in ways that increase the likelihood of acceptance, and assemble coalitions to provide credibility and support.<sup>83</sup> This activity is not confined to middle managers. Chief executives engage extensively...Sage, 1990), pp. 144,148.

A good process theory describes, at least in broad outline, plausible time parameters associated with change within and between the phenomena of interest.... At the center...Chakravarthy and Y. Doz, "Strategy Process Research: Focusing on Corporate SelfRenewal," Strategic Management Journal, volume 13, special issue, Summer 1992, pp. 5-14, quote from p. 6

\* 2. L.B. Mohr, Explaining Organizational Behavior (San Francisco: Jossey-Bass, 1982...

...Van de Ven, "Suggestions for Studying Strategy Process: A Research Note," Strategic Management Journal, volume 13, special issue, Summer 1992, pp. 169-188; and A.H. Van de Ven and G...

...1986); and Melan (1989), p. 398. . 12. Moen and Nolan (1987); and Robson (1991).

#### Reference:

. 13. Davenport (1993), pp. 10-15; and Hammer and Champy (1993), pp. 32-34. 14. T...

...and the Integration of Labor," Sloan Management Review, volume 35, Winter 1994, pp. 11-23, quote from p. 11.

. 15. 1. Price, "Aligning People and Processes during Business-Focused Change in...

...Huff and R.K. Reger, "A Review of Strategic Process Research," Journal of Management, volume 13, number 2, 1987, pp. 211-236. . 26. H. Mintzberg, D. Raisinghani, and A. Theoret, "The...Field Research: Theory

and Practice," Organization Science, volume 1, number 3, 1990, pp. 267-292, quote from p. 270. m 51. Van de Ven (1992), p. 80. . 52. Van de Ven...

...Comparative Analysis of Organizations," American Sociological Review, volume 32, number 2, 1967, pp. 194-208, quote from p. 195.

m 64. D.A. Garvin, "Leveraging Processes for Strategic Advantage, Harvard Business...

...and Debates in Organization Theory," Administrative Science Quarterly, volume 28, June 1983, pp. 245-273, quote from p. 263. 67. C.A. Bartlett and S. Ghoshal, "Beyond the MForm: Toward a...

...Pfeffer, "Understanding Power in Organizations," California Management Review, volume 34, Winter 1992, pp. 29-50, quote from p. 29. . 70. Crozier (1964);

J.G. March, "The Business Firm as a Political...Isenberg, "How Senior Managers Think," Harvard Business Review, volume 62, NovemberDecember 1984, pp. 80-90, quote from p. 84. . 82. Sayles (1964).

a 83. J.E. Dutton and S.J. Ashford...

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17/K/40 (Item 40 from file: 15)

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01674699 03-25689

**'Are there laws of production?': An assessment of the early criticisms of the Cobb-Douglas production function**

McCombie, J S L

Review of Political Economy v10n2 pp: 141-173

Apr 1998

ISSN: 0953-8259 Journal Code: RPE

Word Count: 14724

**Abstract:**

...relevant today, have been all but forgotten. The original regressions of Cobb and Douglas using time - series data produced some spectacularly good fits, with the estimates of the output elasticities being virtually...

**Text:**

...relevant today, have been all but forgotten. The original regressions of Cobb and Douglas using time - series data produced some spectacularly good fits, with the estimates of the output elasticities being virtually...

...was being estimated was an accounting identity. This criticism was later generalised by Shaikh to time - series estimations. These critiques have

been largely brushed aside and ignored in the literature. If they...

...the maximum value of output and the factor inputs (together with a time-trend, if time - series data are used), so that the factor inputs, usually labour and capital (and the time...exponents are close to the expected factor shares. (Cobb & Douglas, 1928, and Douglas, 1934, using time series data for US manufacturing industry over the period 1890-1922 found correlation coefficients that were...

...The original good fits of Cobb & Douglas (1928) seemed to be subsequently confirmed by further time - series results for Massachusetts and New South Wales. But a reworking of Douglas's original data...

...There is exegetical evidence that Douglas (1934, 1948) began to realise that his results using time - series data would not bear the interpretation he originally placed on them, although not surprisingly he ...

...the original study of Cobb and Douglas. It is difficult to do better than to quote Douglas (1948) himself as to how they came to settle on the Cobb-Douglas relationship...specious that 'all past work should be torn up and consigned to the wastepaper basket' (quoted by Douglas, 1976, p. 905). This bitter comment must have left a deep impression on...the original 1928 study into his book The Theory of Wages, along with two further time - series studies (of Massachusetts and New South Wales) which seemed to confirm the early results. As...

...Substitution and translog production functions) had on the profession.<sup>3</sup>

#### 4. Criticisms of the Initial Time - series Studies

In the 1928 paper, Cobb & Douglas reported neither the standard errors nor the R...

...s output elasticity. The sum of the output elasticities is 1.011 with a standard error of 0.09. Consequently, the hypothesis that constant returns to scale prevails cannot be rejected at the 99% confidence level. These results, of course, merely serve to confirm those of...  
...influence of outliers. Consequently, the results were spurious, notwithstanding the fact that the estimates took plausible values, with the output elasticities being close to the relevant factor shares. Secondly, there was...

...the coefficients of k and j but also for the implied degree of returns to scale. The regressions with either lnL or lnC as the regressands give most implausible values for the degree of returns to scale. The reason for these discrepancies is the presence of severe multicollinearity plus the excessive leverage...between lnC and lnL is less than the multiple R<sup>2</sup> and the standard errors of the coefficients are low. While these findings are suggestive rather than conclusive, k + j...

...rescue the results.

The importance of the outliers 1921 and 1922 in producing anything like plausible significant values for k and j is readily apparent. It is only in the regression...trend of product is higher, relative to those of capital and labor, than can be plausibly explained by the actions of labor and capital alone'. In particular, he suggested that the...Ideally, the series should be adjusted for changes in capacity utilisation so that it more accurately proxies the flow of actual capital services. However, the estimate of the regression coefficient is...  
...further problem. Consequently, pace Douglas, on these grounds alone

there are severe problems with the time - series estimation of the production function and the interpretation of the results is extremely problematical. As...

...There was obviously a limit to the amount of replication that could be achieved using time - series data given the limited data then available. Moreover, the anomalies were beginning to mount up...

...have noted. 'One persistent area of difficulty in these last months has been the Massachusetts time - series . We tried to improve on Professor Cobb's series of capital and product with the...

...most manifest when we omit the war years from 1916 on in our United States time series ' (Douglas, 1948, p. 21). Consequently, with the help especially of Grace Gunn, Douglas turned his...

...production functions using inter-industry data, the results of which, he considered, supported his earlier time series results. Douglas (1948, Table I, p. 12), for example, reports cross-industry regression results for ...grounds.'o But perhaps more importantly, it was (erroneously) not seen to be applicable to time - series estimations. We return to this important point below. In view of the significance of the...  
...neoclassical marginal productivity theory. What are the implications of these criticisms for the use of time - series data for estimating a Cobb-Douglas function? Bronfenbrenner (1971), who had worked closely with Douglas...

...identify the cost equation and not the production function, Shaikh (1974) has shown that the time - series estimations are not immune from Phelps Brown's criticism. (Formula Omitted)

(Formula Omitted)

Comparing Equations criticism.

Why then did the early time - series analysis produce such poor results? The answer is that even though the weighted sum of...

...we will find a good fit for the Cobb-Douglas. This is precisely how the time - series estimations of the Cobb-Douglas were rescued in the postwar period (see, for example, Lucas...been shown, by using the original data set, that the initial remarkably good fit using time - series data and closeness of the estimated coefficients to their factor shares is largely illusory, being...

...reasoning, showing that it applies to estimating the Cobb-Douglas and other production functions using time - series data.

The Cobb-Douglas production function has enjoyed a renaissance since Solow's (1957) paper...u, where u is the error term are:

$p = 3.59\% \text{ p.a. (t-ratio} = 13.37; 2 = 0.885),$

$I = 2.59\% \text{ p.a. (t-ratio} = 9.35; F2 = 0...$

...Brown (1957, p. 551) also argues that 'we can know from the start that some time - series will not yield acceptable values of k, but will imply that the share of labor...

#### **Descriptors:**

... Time series ;

**Classification Codes:****Dialog eLink:****USPTO Full Text Retrieval Options**

17/K/41 (Item 41 from file: 15)

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01659974 03-10964

**An analysis of sample attrition in panel data**

Fitzgerald, John; Gottschalk, Peter; Moffitt, Robert

Journal of Human Resources v33n2 pp: 251-299

Spring 1998

**ISSN:** 0022-166X **Journal Code:** JHR**Word Count:** 15958**Text:**

...and observables is critical to the development of tests for attrition bias and adjustments to eliminate it. However, we show that selection on observables is not the same as exogenous selection...

...attrition. We note that the attrition bias generated by this type of selection can be eliminated by the use of weighted least squares, using weights obtained from estimated equations for the...effect but not the individual effect; in that case, simple first differencing (among other methods) can eliminate the bias.

Our approach differs from this past work because of our sharp distinction between...

...selection on observables and on unobservables, a distinction not made in these past studies. Many error components models which allow attrition propensities to covary with individual components of the process can...

...in our model stand for a vector of lagged values of  $y$  instead of a scalar, we have  $\Pr(A = OI_x, y_{t-1}, y_{t-2}, y_{t-3}, \dots, y_0)$  as our attrition function. Assume full observability of those lagged values. Then any model in which the error components of the  $y$  process which covary with attrition can be uniquely mapped into the...

...our selection on observables model. An example is the autoregressive model: (Formula Omitted)

Estimation of (13) on the nonattriting sample results in bias because  $s_j$  is serially correlated and  $A^*$  is a function of the lagged values of that error. But solving Equation 13 for  $c$  in lagged periods, and substituting into Equation 15 for the lagged errors, leads...tests for the joint significance of the differences in all slope coefficients and intercepts generally reject the hypothesis of equality between the vectors. However, when tests are conducted for the equality of the slope coefficients allowing the intercepts to differ, most fail to reject equality. The estimated intercept differences (namely, constraining all coefficients on the other regressors to be...

...Omitted)

Captioned as: Table 10

Statistical tests for the differences in the distributions almost always reject equality of the distributions because the standard ...possibility reveals it to indeed be the case, as we demonstrate in Tables 12 and 13 . Table 12 shows the characteristics of PSID males who were 25-40 in 1968 and ...

...high-income men in the PSID.

The simplest explanation for this pattern is that the time series processes for education, marital status, and earnings contain a serially correlated component which at least...

...magnitude (see Fitzgerald et al. 1997b, for a fuller examination of intergenerational attrition issues). Table 13 shows the original Table 11 for 1989 split out between those 25-45 and those...these are "universal" weights rather than model-specific weights.<sup>46</sup>

(Table Omitted)

Captioned as: Table 13

Comparison of the columns for current-weight and 1968-weight estimates in Table 11 shows...Although we have not developed a formal model of the causes of attrition, it is plausible to hypothesize that not only are low-socioeconomic-status individuals likely to attrite (as our... ...three which we will examine-are more likely to attrite. We conjecture that it is plausible to suppose that disruption in general may be related to attrition because it may make...work by Imbens and Lancaster (1994) and Hirano et al. (1996) along these lines.

Footnote:

13 . As we noted in n. 8, if contemporaneous  $x$  is unobserved and hence the attrition...1987. Statistical Analysis with Missing Data. New York: Wiley. MaCurdy, T. 1982. "The Use of Time Series Processes to Model the Error Structure of

Earnings in a Longitudinal Data Analysis." Journal of...

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17/K/42 (Item 42 from file: 15)

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01659576      03-10566

**Comparison of alternative models of household equivalence scales: The Australian evidence on unit record data**

Lancaster, Geoffrey; Ray, Ranjan

Economic Record v74n224 pp: 1-14

Mar 1998

ISSN: 0013-0249 Journal Code: IERC

Word Count: 4563

### Abstract:

...Exactness hypothesis, considered necessary for interpretation of the scale as child cost, suffers a mild rejection. The Australian evidence suggests that rank two demand models, rejected by the data, may exaggerate child costs.

### Text:

...hypothesis, considered necessary for interpretation of the scale as child cost, suffers only a mild rejection. The Australian evidence suggests that rank two demand models, rejected by the data, may exaggerate child costs.

#### 1 Introduction

The Equivalence Scale seeks to answer...of children has income effects only on parental consumption. Though these assumptions have been convincingly rejected on Spanish data by Deaton et al. (1989), the Rothbarth model provides a simple, intuitively...

...and Ray (1996b) have shown, the idea of quasi price household composition effects is decisively rejected by the data, the Barten model continues to remain popular in empirical applications (see, for...

...describes demographic, income and expenditure information pertaining to each household. The expenditure is defined over 13 broad category definitions. The second level (the expenditure record) details expenditure on 422 separate commodities...

...to 4302, and the 1988-89 sample to 6895. For all estimations, budget shares were deleted if they lay outside the range zero and one.

A variety of commodity disaggregations was...in aggregate expenditure. The magnitudes of the Engel scale obtained in this study seem quite plausible, and do not substantiate the claims of Deaton and Muellbauer (1986, p. 730), based on...Price Scaled-AI, shows that the rank two restrictions, commonly used in demand analysis but rejected by the present data set, lead to a large increase in child costs.

(Table Omitted...)

...is considered necessary for the welfare interpretation of the estimated scales could not be decisively rejected on the present Australian unit record data. Fifth, the Australian data provide evidence in favour... Comparison of

#### Reference:

Alternative Methods of Estimating Household Equivalence Scales: The Australian Evidence on Pooled time Series of Unit Record Data', Discussion Paper, 1996 I, of Department of Economics, University of Tasmania...

...and the Cost of Children', Economic Journal 87, 460-87. Murthi, M.



(1994), 'Engel Equivalence Scales in Sri Lanka: Exactness, Specification, Measurement Error ', in R. Blundell, I. Preston and I. Walker (eds), The Measurement of Household Welfare, Cambridge...

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**Dialog eLink:**

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17/K/43 (Item 43 from file: 15)

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01657720 03-08710

**Philip sober controlling Philip drunk: Buchanan v. Warley in historical perspective**

Bernstein, David E

Vanderbilt Law Review v51n4 pp: 798-879

May 1998

ISSN: 0042-2533 Journal Code: AVLR

Word Count: 40483

**Text:**

...and helped maintain the public order.<sup>12</sup>

National political leaders supported segregation laws as well. <sup>13</sup> Despite protests from the NAACP and others, the Wilson Administration implemented segregation in the federal...

...Louisville statute violated the rights to acquire, use, and dispose of property.<sup>28</sup> The Court rejected Kentucky's contention that the various public policy rationales the State advanced in support of...thing at one time and an entirely different thing at another time."<sup>36</sup> Traditionalists specifically rejected the notion that public opinion should affect constitutional jurisprudence.<sup>37</sup> As Justice Sutherland put it...violated Plessy's property right in his reputation as a white man.<sup>118</sup> The Court rejected this argument. The Court reasoned that if Plessy was in fact white, and was assigned...any more than [was] absolutely necessary to secure the desired separation."<sup>206</sup>

Other authors also rejected the idea that residential segregation laws were illicit, discriminatory class legislation. An Ohio Law Reporter...

...restricted to the same extent."<sup>208</sup> A note in the University of Pennsylvania Law Review rejected the argument that the Louisville ordinance violated the Constitution because it restricted blacks to the... began by arguing that the Louisville segregation statute took property without due process.<sup>245</sup> Storey quoted Lochner for the proposition that the purpose of a law must be judged by the...

...seemed to rely on the very theory that Storey was urging that the Court must reject .

Storey's brief also argued that segregation laws impeded the right to travel interstate, though...concluded by urging the Court to take a sociological approach to its decision. The State quoted political

scientist E.R.A. Seligman for the proposition that " '[i]n the long run...

...arguments from Storey's initial brief that the Louisville ordinance violated the Fourteenth Amendment. They quoted language from Carey v. City of Atlanta, stating that residential segregation ordinances unconstitutionally deprived individuals...its African-Americans kindly, or at least as kindly as could be expected, the State quoted the remarks of Charles Eliot, a leading Progressive and president of Harvard, 289 legal scholar...

...British historian James Bryce, author of the classic *The American Commonwealth*. 295 Finally, the State quoted a respected descendant of two presidents, Charles Francis Adams, and others 297 to demonstrate African-American...nor decided." 312 To bolster its attempt to distinguish Plessy and Berea College, the Court quoted "apposite" language from Carey v. City of Atlanta. 313 In Carey, the Georgia Supreme Court...

...any arguably reasonable segregation law would come within the police power. Buchanan, by contrast, explicitly rejected all of the police power rationales that Kentucky argued supported state-enforced segregation.

First, the Court...

...an appropriate rationale for narrowing the scope of citizens' constitutional rights. 322 The Court also rejected the argument that the segregation law came within the police power because it would promote...

...hand, cite Justice Brown's majority opinion in *Holden v. Hardy*. 331 As discussed previously, Holden rejected the more consistent and extreme version of laissez-faire jurisprudence advocated by Justices Brewer and...contempt for individual rights and the manifest racism of many leading Progressives, Footnote Four cannot accurately be described as Progressive in the historical sense.

Moreover, it is not at all clear...a manifestation of misguided southern leaders out of touch with the mainstream of urban reform"). 13 . See DESMOND KING, *SEPARATE AND UNEQUAL: BLACK AMERICANS AND THE U.S. FEDERAL GOVERNMENT* 21...

...20. Charles Warren, *A Bulwark to the State Police Power—The United States Supreme Court*, 13 COLUM. L. REV. 667, 668 (1913). Warren prefaced this remark by noting that alu]nder...attributing Chief Justice Melville Fuller's support of laissez-faire ideas to Jacksonian influences and rejecting the hypothesis that Fuller was strongly influenced by Darwinism); HOWARD GILLMAN, *THE CONSTITUTION BESIEGED: THE...*

...117 Ill. 294, 301-05 (1886) (striking down a law requiring mine owners to have scales for weighing coal based on rights of miners to contract for price of their labor...

...43, at 86-99 (listing examples). 49. See 198 U.S. 45, 64-65 (1905) (invalidating a law limiting the hours of bakers), overruled by *West Coast Hotel Co. v. Parrish*...

...but was revived in *Adkins v. Children's Hosp.*, 261 U.S. 525, 561 (1923) (invalidating the District of Columbia's minimum wage law because it interfered with individual freedom to...

...unionized bakers to force non-unionized bakeries to reduce their hours to union ones to eliminate the non-unionized bakeries' competitive advantage. See Sidney G. Tarrow, *Lochner v. ...more vigorous version of laissez-faire jurisprudence than Harlan supported. A more extreme version was rejected by the Court in Holden v. Hardy*, 169 U.S. 366, 398 (1898) (rejecting a challenge to a law limiting the working hours of miners).

Footnote:

Holden itself implicitly...a tendency to lag behind the facts of life"); Roscoe Pound, Justice According to Law, 13 COLUM. L. REV. 696, 706 (1913) [hereinafter Pound, Justice] (arguing against using inflexible jurisprudential theories...Stone, Is Race Friction Between Blacks and Whites in the United States Growing and Inevitable?, 13 AM. J. SOC. 676, 677 (1908) (arguing that there is a "natural contrariety, repugnancy of... See Gilbert T. Stephenson, Race Distinctions in American Law, 43 AM. L. REV. 29 (1909), quoted in Hunting, supra note 197, at 28. Stephenson also authored a book with the same...Id.

Footnote:

304. In fact, contrary to the analysis in Buchanan, the Slaughter-House majority rejected the theory that the Fourteenth Amendment broadly prohibited discriminatory or "class" legislation. See Slaughter-House... Negroes in suitable locations." Id.

Footnote:

373. See MICHAEL N. DANIELSON, THE POLITICS OF EXCLUSION 13 -14 (1976); Norman Karlin, Back to the Future: From Nollan to Lochner, 17 Sw. U...

...386. See id. at 211. 387. Id. at 210.

388. See 297 F. 307, 312- 13 (N.D. Ohio 1924), rev'd, 272 U.S. 365 (1926). 389. See id.

Footnote...

...that violated the Equal Protection Clause. See id. at 328-29. The Court, in dicta, rejected this argument. See id. at 330. But even if judicial enforcement of a restrictive covenant...VOSE, supra note 6, at ix (1959) (describing the limited success of the NAACP in eliminating the judicial enforcement of racially restrictive covenants in residential neighborhoods); Joe T. Darden, Black Residential...

...Americans in reducing segregation in housing since the Shelley decision).

404. See KING, supra note 13, at 189-99 (discussing the impact of federal housing policies); Klarman, supra note 14, at...919-32 (discussing other Supreme Court decisions).

Footnote:

430. See NELSON, supra note 191, at 13 -14. 431. See id. at 162-63.

Footnote:

432. See David E. Bernstein, The Law...

...York's Prevailing Wage Law, 7 GEO. MASON U. CIV. RTS. L.J. 1, 8- 13 (1997) (describing the devastating effects of prevailing wage laws on African-Americans); David E. Bernstein, The Davis-Bacon Act: Vestige of Jim Crow, 13 NAT'L BLACK L.J. 276, 388-95 (1994) (chronicling the Davis-Bacon Act's...of progressive reform .... [Left-wing] reformers, in their rush to correct the evils of capitalism, rejected the natural-rights thesis as mere economic rationalization preventing necessary state and national reform. PICKENS...

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17/K/44 (Item 44 from file: 15)

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01638909

02-89898

**Silencing nullification advocacy inside the jury room and outside the courtroom**

King, Nancy J

University of Chicago Law Review v65n2 pp: 433-500

Spring 1998

ISSN: 0041-9494 Journal Code: UCL

Word Count: 37875

**Text:**

...in 1895 when it decided *Sparf and Hansen v United States*.<sup>7</sup> In the course of rejecting the claim of a convicted murderer that his constitutional rights were violated when his jury...as it regulates efforts to "death-qualify" capital juries.

The Court, however, appears to have rejected such a reading. In *Lockhart v McCree*,<sup>77</sup> the Court upheld a murder conviction despite...

...the Sixth Amendment prevents a court from culling them from the guilt-phase jury. It rejected the defendant's "suggestion that Witherspoon. . . [has] broad applicability outside the special context of capital...

...meaning of the "impartial jury" guaranteed by the Sixth Amendment.<sup>85</sup> The Court, however, has rejected this easy answer.<sup>8</sup> Instead, the distinction may have other explanations. The Court may consider the...belief that might affect his verdict. This challenge was termed a "challenge to the favor."<sup>13</sup> When contested, this allegation of bias was tried in open court, not before the judge...acquittals.<sup>150</sup> Given the asymmetry of these other novel limits on jury power, the complete elimination of *trials* is striking. No attempt was made to protect nullification through jury selection, say...and argument, but limit the government's ability to disqualify nullification sympathizers. It is equally plausible, however, to argue that instructing jurors that they "must" convict... disables the jury's checking...receive to ordinary rules of procedure, there is no assurance that what jurors hear is accurate or benign. Also, the public may be more likely to believe that any given communication...

...to acquit against the law.<sup>\*9</sup> The question is not whether the particular message is accurate, or even lawful, but whether it poses a sufficiently high risk of actually influencing jurors...crimes of conscience"); Jack B. Weinstein, *Considering Jury 'Nullification'*. When, May, and Should a Jury Reject the Law to Do Justice, 30 *Am Crim L Rev* 239, 24445 (1993) (arguing that...

...Association, *The Nation* 81 (July 17-24, 1995); Stephen J. Adler, *Courtroom Putsch?: Jurors Should Reject Laws They Don't Like*, *Activist Group Argues*, *Wall St J* A1 (Jan 4, 1991...May 21, 1997); Editorial, *When*

Jurors Ignore the Law, NY Times A16 (May 21, 1997). 13 See Frederic B. Rodgers, The Jury in Revolt? A IHeads Up" on the Fully Informed...

...from the trial judge"); United States v Manning, 79 F3d 212, 219 (1st Cir 1996) (rejecting efforts by defense

Footnote:

counsel to inform the jury of the severity of punishment as...the accused under the controlling law); Medley v Commonwealth, 704 SW2d 190, 191 (Ky 1985) (rejecting defendant's claim that he should have been able to tell the jurors that, while...19540, \*1, \*3-6 (N D Cal). The defendant's challenge to his retrial was rejected. Id at \*3. See also King, 94 Mich L Rev at 2737 (cited in note...United States v Morris, 26 F Cas 1323, 1331-36 (Cir Ct D Mass 1851) (rejecting the argument that the Jury Clause in Article III grants juries the right to decide...2058 (cited in note 5) ("By engaging in nullification, jurors—who are not democratically elected—reject laws established through a democratic process in order to apply standards—to which they are...interest in any juror; therefore, although in impaneling a jury, one competent person has been rejected, yet, if another equally competent has been substituted in his stead, no injury has been...and hung juries).

Footnote:

Curiously, at about the same time, some courts in England were rejecting attempts by the Crown to disqualify jurors because of their suspected hostility to the government...  
...Sess 2620 (1862).

Footnote:

"' Ku Klux Klan Act of 1871, ch 22, 5, 17 Stat 13, 15, codified at Rev Stat 800-01, 822 (1871). See Alschuler and Deiss, 61 U...

...judgement thereby as to testimony upon which he was required to pass as a juror.

13 Cong Rec 1207 (1882). During debate on the Senate floor, one senator asked: "Why, if...Homer, The Judiciary and the Common Law in Utah: A Centennial Celebration, Utah Bar J 13, 16 (Aug/Sept 1996). Ridding the territory of polygamy was considered by many to be...of a trial juror is not grounds for a new trial absent a showing of probable injury to the defendant). See also Carter v State, 39 Tex Crim 345, 356-57...

...history" and noting that acquittal rates in

Footnote:

federal trials for liquor violations ranged from 13 to 60 percent, depending on region). 1w See State v Carson, 131 SC 42, 126...1829) (discussing triors' examination of two jurors challenged for favor by the defendant and the rejection of one when the triors could not agree); id at 482-83 (At a second...pointed as triors).

Footnote:

'4 State v Bunger, 11 La Ann 607, 609 (La 1856), quoted in State v Porter, 45 La Ann 661, 12 S 832, 833 (La 1893). See...

...s decision on a challenge to favor is likewise final and conclusive 'as to the credibility of proof") (citation omitted); Butler v Glen Falls

Railroad Co, 121 NY 112, 116-18...are and who are not impartial." Id at 510.

Footnote:

's Other possible limits include eliminating the unanimity requirement and allowing judges to poll jurors or instruct them at an impasse...

...institutions of the federal government, it would not limit the efforts of state judges to eliminate jury nullification in state courts. Compare St. John, Note, 106 Yale L J at 2594...does not result in juries "deliberately tipped toward" conviction.

Footnote:

481 US 648, 679 (1987) ( Scalia dissenting). See also Lockhart, 476 US at 173 ("[W]e have never invoked the fair-cross-section principle to invalidate the use of . . . peremptory challenges to prospective jurors."). Compare Krauss, 65 Wash U L Q...

...Paulson, Jurors' Religious Beliefs Put to the Test at Trial, Sunday Gaz Mail 7A (Apr 13 , 1997).

Footnote:

"See Amar, 100 Yale L J at 1195 (cited in note 65) ("If...jury may declare unconstitutional to-morrow.") (citations omitted) (emphasis added). See also Pierce v State, 13 NH 536, 554-67 (1843) (collecting reasons why the jury's power to decide the...

...s (the bicameral theory) would allow juries much greater authority than commonly thought-juries could reject convictions for law-related reasons as well as factual insufficiency, just as judges may.

Footnote...

...recent survey of college students, two researchers attempted to test whether or not potential jurors accurately understood the nullification power. David C. Brody and Craig Rivera, Examining the Dougherty All-Knowing ...

...evidence has proved guilt beyond a reasonable doubt.' Included within the authors' definition of an accurate understanding of nullification was the option to "[d]isregard the written law and overwhelming evidence...

...on the basis of their study that only 6 percent of the subjects "had an accurate understanding of the jury's nullification power." Id. Needless to say, given the variety of...

...16 Ark 568, 580 (1855) (holding that it was error for the trial court to reject jurors who expressed opposition to the death penalty "unless they had gone further and brought...at 8. Id.

Id at 9. "Id.

In Id at 8-9.

Footnote:

sId at 13 . "Id at 13 -14. " Id at 16. \*' Id at 14.

" Id (emphasis added).

' Vaughan 135, 124 Eng Rep...

...containing quotations from the Bible, the United States Constitution, and the Magna Carta. The court rejected the challenge on grounds that the book could not have possibly affected the verdict. Brodie...California sued the prosecutor after the charges were dropped). Charges have apparently been considered but rejected by prosecutors in other cities where leafleters have been active. See, for example, Sharon Mack...reportedly was convicted of contempt for violating the order in state court. See Top court rejects free-speech case, San Diego UnionTribune B3 (Oct 8, 1996). The Court has considered several related cases. In Cox v Louisiana, 379 US 559, 563 (1965), the Court rejected a First Amendment challenge to a prosecution under a statute similar to the current 18...

...premises not to be public forums); Adderley v Florida, 385 US 39, 46-48 (1966) ( rejecting claim that jailhouse grounds are a public forum because the area was not normally used...lobbyists from chamber, quoting the House Speaker as stating that the rule was needed to eliminate confusion and to "establish an atmosphere more compatible to focusing our attention on the business...

...but he did argue that his actions were not "corrupt\* under the statute. The Court rejected his challenge, reasoning that the term "corrupt" is directed to any "effort to bring about...Roberts, 567 NYS2d 1018, 1020-21, 165 AD2d 382, 385-87 (NY App Div 1991) ( rejecting contempt penalty for attorney who refused to remove "Ready to Strike" button from lapel, reasoning...

...to influence the outcome of a particular case. See Turney, 936 P2d at 540-41 ( rejecting claim that tampering statute reaches messages broadcast to the general public on such topics as...

...at 183 (holding unconstitutional a statute forbidding picketing and leafleting on sidewalks near court, and rejecting the argument that such demonstrations would create an appearance of improper influence on the court...

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17/K/45 (Item 45 from file: 15)

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01638902          02-89891

**Southern character, confederate nationalism, and the interpretation of state constitutions: A case study in constitutional argument**

Gardner, James A

Texas Law Review v76n6 pp: 1219-1291

May 1998

**ISSN: 0040-4411 Journal Code: TRX**

**Word Count: 37638**

**Text:**

...is advanced in ethical argument as the source from which particular

decisions derive."<sup>1</sup>

The plausibility of character-based argument derives principally from a familiar and widely accepted underlying conception of...

...times the reliance on character may be more subtle, as in the Court's horrified rejection of legislation prohibiting the use of contraceptives by married couples.<sup>6</sup> But all such arguments...

...constitutional law becomes, on this view, "uniquely expressive of that state's own constitutional culture." <sup>13</sup> In sum, no function of a constitution, especially in the American states, is more important...the distinctive aspects of Southern character.

In the remainder of this paper I assess the plausibility of a characterbased interpretation of Southern constitutions. My conclusion, based on a review of the...was racist, but far, far from uniquely so.<sup>120</sup> This pattern causes Howard Zinn to reject Southern distinctiveness in principle: the South, . . . far from being utterly different, is really the essence...are attributable principally to superficial effects of slavery, then we would expect the post-war elimination of slavery in the South to eliminate most of these differences and to permit the underlying American values of Southerners quickly to...a kind of state protection of the integrity of religious worship.<sup>244</sup> But an equally plausible explanation might be that these provisions create an additional barrier between church and state by...

...as the official state religion.<sup>245</sup> Once again, though, the provision in question was soon eliminated by the constitution of 1790, and it thus provides little support for the existence of...qualifications, which in 1812 stood at \$5000 for governor and \$1000 for senators,<sup>278</sup> were eliminated entirely in the Constitution of 1845.<sup>279</sup> Thus, it cannot very plausibly be maintained that Southern constitutions reflect the kind of aristocratic, plantation-centered value system which...Georgia Supreme Court, untroubled by the lack of a confrontation clause in the state constitution, rejected this argument. According to the court, the question was not whether the amendments in the...

...control, but the other not!<sup>306</sup>

Any such doctrine, the court concluded, is to be rejected because "notwithstanding we may have different governments, a nation within a nation, imperium in imperio...justification that has no basis in fact, a development that can only further reduce the credibility of state constitutional decision making-credibility that state courts can ill afford to squander.

## VI. Conclusion

Interpreting state constitutions in light...Peak in Darien: Discovering the Connecticut Constitution, 15 CONN. L. REV. 7, 11 (1982).

### Footnote:

<sup>13</sup> . Peter R. Teachout, Against the Stream: An Introduction to the Vermont Law Review Symposium on the Revolution in State Constitutional Law, 13 VT. L. REV. 13, 19 (1988).

<sup>14</sup>. A.E. Dick Howard, The Renaissance of State Constitutional Law, 1 EMERGING...Footnote:

Id. at 230. Richard White makes a related point in his discussion of



contemporary rejection of the essentialism of past generations of historians of the American West: New Western Historians...J.S. HIST. 50, 63-64 (1968). 68. See POTTER, *supra* note 65, at 12- 13 .

Footnote:

69. See PETER APPLEBOME, *DIXIE RISING: HOW THE SOUTH IS SHAPING AMERICAN VALUES, POLITICS...*

...Tem of the Senate and 20 of 35 Supreme Court Justices. See *id.* at 12- 13 .

70. See AVERY O. CRAVEN, *THE GROWTH OF SOUTHERN NATIONALISM, 1848-1861*, at 27-35...*SOUTHERN SECTIONALISM, 1819-1848*, at 14 (1948).

Footnote:

87. See CRAVEN, *supra* note 70, at 13 -16 (contrasting the tendency of the Lower South to disfavor change with the Upper South...defeat with absence of Confederate identity. *Id.* at 71. In support of his contentions, Gallagher quotes expressions of loyalty from many Southern sources. *Id.* at 73-111. Gallagher's evidence, however...

...American Revolution. Blassingame, *supra* note 67, at 59; see also MCCARDELL, *supra* note 57, at 13 (noting that there is no evidence of feelings of distinct regional communities in the colonies...*Id.* at 6; see also JAMES C. COBB, *INDUSTRIALIZATION AND SOUTHERN SOCIETY, 1877-1984*, at 13 -14 (1984) ("[T]he glorification of the Old South was at least in part a ...

...and Elections:Implementing PopularSovereignty Under the Lockean Constitution, 52 U. PITT. L. REV. 189, 200- 13 (1990) (arguing that the U.S. Constitution reflects a theory of governmental legitimacy based on... more radical provision that would have limited admission of new states to slave states was rejected in favor of a compromise that allowed the admission of free states on a two...at 94, 97-99; Op. Confederate Att'y Gen. (To Hon. S.R. Mallory, Nov. 13 , 1862), in *CONFEDERATE AG OPINIONS*, *supra* note 213, at 173, 176-77; Op. Confederate Att...

...Jefferson Davis, Aug. 8, 1863), in *CONFEDERATE AG OPINIONS*, *supra* note 213, at 311, 311- 13 . 221. See Op. Confederate Att'y Gen. (To President Jefferson Davis, Mar. 4, 1863), in...in 1798 at just over 100, *id.* at 47 tbl.9. If this number is accurate , the number of eligible people in South Carolina would have been no more than a...

...284. See, e.g., *Morgan v. Reed*, 39 Tenn. (2 Head) 275, 281-82 (1858) ( invalidating a statute which purported to nullify a previous statute on the grounds that the former...

...violating the state constitution); *State v. Armstrong*, 35 Tenn. (3 Sneed) 634, 655-56 (1856) ( invalidating a law allowing circuit courts to grant charters of incorporation); *State v. Fleming*, 26 Tenn. (7 Hum.) 151, 153-54 (1846) ( invalidating a statute that provided for the discharge of two individuals indicted for violating another statute...

...only the judiciary); *Jones' Heirs v. Perry*, 18 Tenn. (10 Yer.) 59, 69-71 (1836) ( invalidating a statute on the grounds that the statute amounted to a judgment for an individual, and thus, the legislature had violated the state constitution by assuming powers within the exclusive domain of the judiciary); *Bank of the State v. Cooper*, 10 Tenn. (1 Yet.) 599, 607...

...to county courts); *Jones v. Kearns*, 8 Tenn. (Mart. & Yer.) 241, 246-48 (1827) (holding invalid a state court practice that required a

plaintiff to give new security in costs or...Bowie, 34 Ala. 461 (1859);  
Sadler v. Langham, 34 Ala. 311 (1859); Ex pane Martin, 13 Ark. 198  
(1853); Parham v. Justices of the Inferior Court, 9 Ga. 341 (1851); Brewer  
...

...Marr v. Enloe, 9 Tenn. (1 Yer.) 452 (1830); Gilkeson v. Frederick  
Justices, 54 Va. (13 Gran.) 577 (1856).

294. See, e.g., Kenney, 39 Ala. at 307; State v. Caroline...Id. at 367  
(emphasis in original). 309. Id. at 369. 310. Id. at 372. 311. 13 Ark.  
198 (1853).

Footnote:

312. Id. at 206. 313. Id.

314. State v. Ashley, I...

...316. 1 Miss. (1 Walker) 134 (1823). 317. See Miss. CONST. of 1817, art.  
I, 13. 318. See Moor, 1 Miss. (1 Walker) at 138-40.

Footnote:

319. As late as...KOTKIN, TRIBES: HOW RACE, RELIGION, AND IDENTITY  
DETERMINE SUCCESS IN THE NEW GLOBAL ECONOMY 3- 13 (1992) (arguing that  
ethnic nationalism, transcending state borders, will play a crucial role in  
the...

...63-67 (calling the genetic approach to ethnicity "plainly irrelevant");  
Kohn, supra note 162, at 13, 6-15 (denouncing theories that claim a  
nationality is based on blood or race as...

...and cultural diversity to create a typology of nationalism); SMITH,  
supra note 330, at 9- 13 (explaining that every nationalism is informed by  
tensions between a dominant civic nationalism, based on...took their  
problems with them. Cultural baggage is not, after all, something one  
retains or discards at will. While much of the Western replication of  
familiar ways was voluntary and intentional...for creating new law under  
their own constitutions); Howard, supra note 14, at 1, 12- 13 (noting the  
"danger that use of state constitutions will be simply 'reactive,'" in that  
a...

...concurring in part and dissenting in part)); State v. Gunwall, 720 P.2d  
808, 812- 13 (Wash. 1986) (arguing that departures from federal precedent  
should be "principled" and should be "made...

...simply wrong as the matter of the way people think about garbage"  
(internal quotation marks deleted)).

Author Affiliation:

\* Professor of Law, Western New England College School of Law. B.A. 1980...

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Dialog eLink:

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17/K/46 (Item 46 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01635194 02-86183

**Race and the fourth amendment**

Maclin, Tracey

Vanderbilt Law Review v51n2 pp: 333-393

Mar 1998

ISSN: 0042-2533 Journal Code: AVL R

Word Count: 30979

**Abstract:**

...traffic stops do not raise Fourth Amendment concerns. An article contends that by requiring only probable cause of a traffic offense to justify pretextual seizures, the court mistakenly ignores racial impact ...

**Text:**

...and seizure practices that affected white colonists became a potent political issue throughout the colonies. 13 But resistance to high-handed British intrusions did not inspire colonial officials to check the...to search and seize persons on the street. The Court currently focuses solely on whether probable cause of a traffic offense exists when judging the legality of pretextual seizures. Curiously, this...

...the state should be required to provide a race-neutral explanation for the seizure other than probable cause of a traffic violation.36

Part II of this Article offers objective evidence that...

...the Fourth Amendment. Currently, the Amendment protects a black motorist only when there is no probable cause that he has committed a traffic offense; if probable cause exists, police are free to conduct a traffic stop at their whim. The procedural...

...motivated the traffic stops.42 Without questioning the validity of the defendants' evidence, the Court rejected the argument and dismissed the notion that the Fourth Amendment is concerned about the racial...

...of police officers when making traffic stops. The Court concluded that if there is objective probable cause of a traffic violation, a stop is always reasonable under the Fourth Amendment regardless...on the Turnpike between exits 1 and 7A: A count of the traffic indicated that 13.5% of the automobiles carried a black occupant. A count of the traffic surveyed for...race matters in making traffic stops, the defense has established a Fourth Amendment violation notwithstanding probable cause for a particular traffic stop.

Nor should this statistical evidence be dismissed because the...

...agents to justify their investigative decisions with statistical proof, the court of appeals has essentially rejected the use of inference based on common sense and the shared experience of agents in...believe that "most of the drug courier profile characteristics appearing in the caselaw do not accurately describe the behaviors of actual drug couriers and generally are not relied upon by the...

...a general matter, the decision to stop an automobile is reasonable where the police have probable cause to believe that a traffic violation has occurred."<sup>121</sup> The issue is the reasonableness...

...and Hispanic drivers for traffic violations in order to intercept narcotics. That an officer had probable cause of a traffic violation should not end the Fourth Amendment inquiry. It does not...

...the reasonableness test of the Fourth Amendment.<sup>122</sup> A traffic stop, even one supported by probable cause, is unreasonable if it is the product of racial targeting.<sup>123</sup> Imagine, for example...

...political views expressed in a bumper sticker.<sup>124</sup> Also, in each case, an officer has probable cause that the motorist with the suspect bumper sticker did commit a traffic infraction. These...

...have prompted the Court to conclude that such seizures are "unreasonable," despite the existence of probable cause for a traffic stop.<sup>128</sup> The Whren Court, however, found the burden of pretextual...

...Terry concerned the constitutionality of frisking a suspect for weapons where police did not have probable cause for an arrest.<sup>135</sup> Prior to Terry, the Court had never upheld a seizure of a person in the absence of probable cause that a crime had occurred. But an overwhelming majority in Terry held that a...

...community.<sup>140</sup> And though the Court ultimately upheld the frisking of individuals on less than probable cause, the racial impact connected with "aggressive patrol" techniques and stop and frisk policies noticeably...  
...weakened Fourth Amendment protections.

First, the Court explained that roving border patrols did not need probable cause to stop vehicles traveling on roads within one hundred miles of the border. Reasonable...this view, a pretextual traffic stop of a black motorist is a paradigmatic arbitrary seizure. Probable cause of a traffic offense does not negate the arbitrariness of the seizure because the...

...totality of the circumstances."<sup>183</sup> An objective consideration of any law enforcement program should include accurate information about how the law is enforced. Fourth Amendment "reasonableness" should not be defined in...

...a way that ignores the realities visited upon black and other minority citizens.<sup>184</sup> Where accurate information indicates that black motorists are being detained for traffic violations in a disproportionate manner...

...for the individual the Amendment protects a motorist from unwarranted discretionary seizures provided there is no probable cause to believe that he has committed a traffic offense. Once probable cause exists, Fourth Amendment protection terminates and the police are free to conduct a seizure...be confined to the procedural right announced in Whren. Under Whren, if the police have probable cause that any motorist has committed a traffic offense, a routine traffic stop is permitted...  
...for the myriad of traffic offenses they observe daily.<sup>187</sup>

The Court, however, responds that probable cause of a traffic violation sufficiently checks police discretion.<sup>188</sup> This answer is illusory. Probable cause of a traffic offense not only fails to diminish the discretion possessed by officers...

...of black motorists<sup>189</sup> and there is not a race-neutral explanation for the

disparity, then probable cause is not acting as a check on police discretion.

If 93.3% of the...

...judgment based on "intelligence information" that he will not reveal to the public,<sup>191</sup> then probable cause is not acting as a check on police discretion. Similarly, if black men account...

...race-neutral explanation for the disparity of black men stopped by the special patrol,<sup>193</sup> then probable cause is not acting as a check on police discretion. Faced with this evidence, it is easy to see that when police target minority motorists for pretextual traffic stops, probable cause is an insufficient check against unreasonable seizures. Rather than protect motorists, in this context, probable cause acts as a lever to initiate an arbitrary seizure, and then insulates the decision...falsely assert that she saw drugs in plain view, or add a fact to create probable cause or to validate a consent search-particularly where she perceives that the judiciary has...explained:

Since the presentment required that all Negroes carry passes from their master, it is probable that its authors did not consider the distinction between free and enslaved blacks important. Technically...

...444. 10. See *id.* at 437. 11. See *id.*

12. *Id.* at 449 (emphasis added).

13 . See generally NELSON B. LASSON, THE HISTORY AND DEVELOPMENT OF THE FOURTH AMENDMENT TO THE...

...South included the most intensely general searches in pre-Revolutionary America.").

17. SMITH, *supra* note 13 , at 342 (quoting James Otis, Jr.'s argument to the Massachusetts Superior Court in the...<sup>23</sup>. See Whren, 116 S. Ct. at 1774 ("Subjective intentions play no role in ordinary, probable -cause Fourth Amendment analysis.").

24. See, e.g., *Ohio v. Robinette*, 117 S. Ct. 417...self-destructive error of the sort posited by the police is possible, it is not probable .

*Id.* For more on the connection between police perjury and pretextual traffic stops, see Part...

...WAYNE R. LAFAVE, SEARCH AND SEIZURE: A TREATISE OF THE FOURTH AMENDMENT 1.4, at 13 . (3d ed. Supp. 1997). Professor Lafave stated: The Court's analysis in Whren is, to...

...47. Kathleen Gorman, Avon Police Target Black, Hispanic Drivers, Report Says, *Ting HARTFORD COURANT*, Apr. 13 , 1994, at A1.

48. See *id.* Not surprisingly, Sgt. Thomas Transue, in defending the practice, noted that no minority motorist was stopped without probable cause of a traffic violation. See *id.* 49. *Id.* 50. *Id.*

51. Kathleen Gorman, Racial...

...and see what they are up to out here."

Footnote:

Id.

55. See Dateline NBC: Probable Cause?; Policemen In Louisiana Harass Motorists And Seize Their Property For No Apparent Reason (NBC...an absolute disparity of 32.7%, a comparative disparity of 242% (32.7% divided by 13 .5%) and 16.35 standard deviations." Id. at 3. According to Judge Francis, "something is...

...statistical expert should have used the 15% figure from the "violation survey" instead of the 13 .5% figure from the 'traffic survey' as the benchmark when making statistical comparisons with race...the Court adopted a literal interpretation of the Fifth Amendment's Due Process Clause and rejected the contention that the federal government was controlled by equality norms. See, e.g., Detroit...

...that causes a disparate racial impact alone does not violate the Fourteenth Amendment. The Court rejected a disparate impact test for equal protection cases because it feared that such a rule...

...Judge Francis concluded that the prosecution's expert witness did not undermine the validity or accuracy of the defense's statistical evidence. See id.

Footnote:

110. Whren v. United States, 116...Amendment's] balancing is not in doubt where the search or seizure is based upon probable cause."). 122. The Whren Court intimated that where probable cause exists, judicial scrutiny of the manner in which a search or seizure is effectuated...

...qualify as such an extreme practice, and so is governed by the usual rule that probable cause to believe the law has been broken 'outbalances' private interest in avoiding police contact...the ascribed motive from a skein of others, in prompting an arrest justified by objective probable cause, would invite exactly the inquiry into police motivation condemned by Whren").

Footnote:

127. LAFAYE, supra note 43, 1.4, at 13 . 128. See infra notes 177-80, 190-200 and accompanying text. 129. See supra Part...

...HIS SUPREME COURT-A JUDICIAL BIOGRAPHY 686 (1983) (same).

139. Terry, 392 U.S. at 13 -14 ("Doubtless some police 'field interrogation' conduct violates the Fourth Amendment.').

140. Id. at 14...as a judicial device to control certain police tactics. See Terry, 392 U.S. at 13 -15. The Court seemed to suggest that certain police tactics, including illegitimate harassment of racial... which is closely similar involves unwarranted intrusions upon constitutional protections." Terry, 392 U.S. at 13 . Put simply, the exclusionary rule cannot be a "blunderbuss" to reach illegitimate police practices. See...

...143. See id. at 885-86.

144. See id. at 884. Prior to Brinegar-Ponce, probable cause was the constitutional standard for judging the validity of an automobile seizure or search...

...the Court had conceded that there is often a "troublesome line . . . between mere suspicion and probable cause," Brinegar v. United States,

338 U.S. 160, 176 (1949), the Court reaffirmed the notion that moving vehicles could not be stopped or searched on less than probable cause of criminal activity. See *id.* at 164-71.

145. See *Brignoni-Ponce*, 422 U.S. 271, 286 (1975) (reasonableness inquiry of the Fourth Amendment); *Minnesota v. Dickerson*, 508 U.S. 366, 380 (1993) (Scalia, J., concurring) (noting that one of the purposes of the Fourth Amendment is to "preserve...").

...1, 26 (1985) (O'Connor, J., dissenting) (noting that the judiciary should be reluctant to invalidate "a police practice that was accepted at the time of the adoption of the Bill...").

...against the need for effective law enforcement); *Gerstein v. Pugh*, 420 U.S. 103, 112-13 (1975) (same).

167. See, e.g., *Skinner v. Railway Labor Executives' Ass'n*, 489 U.S. 69, 83 (1989).

...special needs' beyond normal law enforcement that may justify departures from the usual warrant and probable cause requirements").

168. See, e.g., *Graham v. Connor*, 490 U.S. 386, 396 (1989) (the caprice of individual policemen. Unpopular, weak, or defenseless groups are most apt to suffer."), quoted in Brief for the NAACP Legal Defense and Education Fund, Inc., as Amicus Curiae at...

...the Fourth Amendment protects everyone").

Footnote:

185. *LAFAYETTE*, supra note 43, 1.4, at 13.

186. See *Harris*, supra note 19, at 553, noting that Whren's reasoning is not...

...a traffic violation and stopped the car. The court will either believe the testimony or reject it. *Id.*

187. *Id.* at 559 ('[W]ith the traffic code in hand, any officer...a similar point when he notes that the essential element in Whren "is that probable cause as to a minor traffic violation can be so easily come by that its...').

...1769, 1777 (1996). 196. *Railway Express Agency v. New York*, 336 U.S. 106, 112-13 (1949) (Jackson, J., concurring).

197. *Whren*, 116 S. Ct. at 1777.

Footnote:

198. *Kenneth Culp*...testimony before the Commission.... Routine stops of young African-American and Latino males, seemingly without "probable cause" or "reasonable suspicion," may be part and parcel of the LAPD's aggressive style...

...explained why judges have erroneously relied upon the Court's objective Fourth Amendment analysis to reject incorporating concerns about police perjury into their Fourth Amendment decision-making processes:

First, it fails...

...raise questions concerning the veracity of his testimony about the facts creating reasonable suspicion or probable cause. Second, it abandons the educational functions of constitutional law.... One appropriate function of judicial...

...Police Corruption Inquiry Widens Up to 9 Officers in Elite Unit Implicated, PHILADELPHIA INQUIRER, Aug. 13, 1995, at A1.

Footnote:

222. Corruption Iceberg, *supra* note 220, at A1.

223. See, e.g., to police officers. In discussing highway drug couriers, Mississippi Justice Court Judge Vernon Ladner, was quoted as saying: "If I was a policeman and I saw a Hispanic on the interstate...

...Court in McCray v. Illinois, 386 U.S. 300 (1967), "should not so casually have rejected the idea of a constitutional presumption that policemen commit perjury."; but cf. McCray v. Illinois...

...a suppression hearing the identity of an informant who has provided the only evidence establishing probable cause to arrest a person, by noting that at a suppression hearing "the accused seeks...1997, at 21; Buffy Spencer, Camcorder Catches Police Incident, SUNDAY HAMPSHIRE REPUBLICAN (Springfield, Mass.), Apr. 13, 1997, at A1 (describing how a videotape captured police officer kicking a black man in...it probably would not happen.'). 250. See LAFAYETTE, *supra* note 43, 114, at 13 (criticizing the analysis of Whren; "the Court managed to trivialize what in fact is an...

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17/K/47 (Item 47 from file: 15)

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01628686 02-79675

**The political economy of cooperative federalism: Why state autonomy makes sense and "dual sovereignty" doesn't**

Hills, Roderick M Jr

Michigan Law Review v96n4 pp: 813-944

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**Text:**

...national defense on the shoulders of the owners of private defense contractors without any ethically plausible reason for doing so.

This article maintains that identical considerations suggest that the federal government...

...officials implement federal policies at least preserve some role for such officials. By contrast, preemption eliminates their role entirely. Moreover, even if one could explain why commandeering is especially threatening to...property without just compensation<sup>12</sup> and the First Amendment's protection of the freedom of speech, <sup>13</sup> one can derive a stronger and more intellectually satisfying foundation for the doctrine of



state...

...policy. Second, one can ask whether the text and traditions of the U.S. Constitution plausibly contain such a policy. Both Justice O'Connor's opinion in *New York* and Justice...to raise taxes and troops on behalf of the national government. In Hamilton's words, quoted with approval by Justice O'Connor, "The new National Government 'must carry its agency to...

...power to tax individuals directly. Such a position ignores the vehemence with which the Federalists rejected the system of requisitions established by the Articles of Confederation.

A quick summary of Publius...rather than love of state autonomy.

Consider Justice Story's logic in the passage above quoted from *Houston*. Story contends that the Necessary and Proper Clause does not authorize Congress to...the Constitution simply does not trust them to carry out federal business.<sup>109</sup>

Story's rejection of intergovernmental cooperation is not an anomaly. It springs directly out of what I call...

...its ends.<sup>110</sup>

The "intention" to which Marshall refers is best exemplified by the Federalists' rejection of requisitions and the creation of a national government with its own executive and judicial...

...a right to be independent of the states.

One might object that *McCulloch* is simply rejecting the notion that the national government would be required to rely on state institutions. This ...theory of state autonomy announced by Justice Story in *Prigg*.

But, while the Court quickly rejected dual federalism, it never replaced Story's analysis with a more persuasive basis for state...

...on the theory of nationalistic dual federalism in *Dennison*; he concurred in *Prigg* expressly to reject Story's argument that state officials could not enforce the Fugitive Slave Clause of Article...to landowners who suffered flooding from federal government-owned dams. The Court did not formally reject Story's nondelegation doctrine; to the contrary, the Court formally declared that the national government...

...authorization. In upholding this delegation of federal responsibilities to the state governments, the Court emphatically rejected Justice Story's notion that state officers should not exercise federal responsibilities, stating that Congress...

...state autonomy is that, while the premises of such nationalistic dual federalism generally have been rejected by the Court in other doctrinal areas and completely rejected by national political practice, the doctrine of state autonomy has never really weaned itself from...  
...power to execute the laws just as much as congressional "commandeering" of state governments. Justice Scalia's only response to this argument is to suggest that it is difficult for Congress...

...succeed in depriving the president of his Article II powers. Nevertheless, when they do succeed, Scalia's logic would suggest that they deprive the president of his powers to control the execution of the laws and, therefore, should be invalidated. Justice Scalia's Article II argument is, in short, a revival of Justice Story's argument against...  
Grants

Barrels of ink have been spilled describing the multitude of conditional grant systems, their probable effect on state behavior, the nature and need for federal oversight, and the character of...have taxing powers and used them with surprising effectiveness to replace federal grants-in-aid eliminated by the Reagan administration.<sup>180</sup> To be sure, the federal government has some taxation advantages...controlling its own subdivisions.<sup>217</sup> Therefore, it is theoretically possible for a state government to eliminate municipal competition by barring its subdivisions from accepting federal funds or using them for federal...the state but not the national governments, such costs are not a good reason to reject New York.

It should not be surprising that the national government can acquire state and...reason to believe that the distribution of this ability bears any relation to a morally plausible distribution of the costs of government. Such considerations of distributive justice might explain why the...

...sure, precisely the same distributive consequence would arise from any federal budget cut that selectively eliminated funding for a program favored by a politically weak interest group. Thus, one might regard "commandeering" of nonfederal officials' services as no more alarming than, say, budget cuts eliminating subsidies for low-income housing. Apparently arbitrary fiscal decisions are the inevitable result of democratic...a habitual obsession with drawing sharp distinctions between public and private spheres rather than an accurate account of the law. As Akhil Amar has explained insightfully, the First Amendment was not...preemptible conduct. In all such cases, federal laws serve the same purpose as simple preemption -- elimination of preemptible activities - but do so by giving the nonfederal government an option to reduce...no baseline can be described as natural, some are less arbitrary than others.<sup>363</sup> One plausibly can argue that Congress's spending power should not be constrained by a doctrine of...

...that it is politically infeasible for states simply to cease regulating utilities, Congress threatened to eliminate ratemaking as a way to induce compliance with the federal regulatory scheme. Most conventional systems...enforce the penal laws of the United States or sister states. But the *Testa* Court rejected the Rhode Island court's premise that the state courts have "no more obligation to...interests are receiving equal treatment.

*Testa* provides a case in point. In *Testa*, the Court rejected the notion that the Rhode Island courts afforded equal treatment to federal law by treating...several advantages. It presumably would mitigate any distributive inequities caused by commandeering, and it would eliminate any inefficient tendency of federal mandates to undermine incentives to participate in state and local...offered to implement the particular program imposed on them by the federal government. It defies credibility to believe that judges are capable of managing such a counterfactual inquiry.<sup>407</sup>

But even...to the same effect, see MICHAEL D. REAGAN & JOHN G. SANZONE, *THE NEW FEDERALISM* 11- 13 (id ed. 1981); DEIL S. WRIGHT, *UNDERSTANDING INTERGOVERNMENTAL RELATIONS* 36-37 (3d ed. 1988).

2 Footnote:

13 . See U.S. CONST. amend. I.

14. The most famous of such theories are JESSE...  
...whether or not Congress has adequately protected federalism.

Footnote:

19. Justice Scalia seems to have rejected the idea that Congress might impose funded mandates on state officials when he suggested that...on governmental entities. See Larry Kramer, *Understanding Federalism*, 47 *VAN.R.D. L. REV.* 1485, 1512- 13 (1994). It is not obvious that private enterprises would have any incentive to lobby against...jurisdiction, see Stephen Conrad, *Metaphor and Imagination in James Wilson's Theory of Federal Union*, 13 *L. & Soc. INQUIRY* 1, 47-49, 57 (1988). For the classic account of the Framers...Footnote:

115. As Professor Vikram Amar has noted, this worry may have been much more plausible prior to enactment of the Seventeenth Amendment, because state legislatures controlled the U.S. Senate...about further federal developmental spending). As the national government, led by Ronald Reagan, reduced or eliminated federal grants-in-aid, state and local governments redirected their attention away from Washington, D...states as he proposed to do in 1991. See RICH, *supra* note 178, at 107- 13 . The Community Services Block Grant Act is codified at 42 U.S.C. 9901-9912...note 177. Other possible explanations of local government hostility toward redistributive programs are, perhaps, more plausible . According to a widely held view, the local government that is reluctant to accept funds... (1969); DANIEL PATRICK MOYNIHAN, *MAXIMUM FEASIBLE MISUNDERSTANDING: COMMUNITY ACTION IN THE WAR ON POVERTY* 110- 13 (1969) (expressing skepticism about community action programs). Consider also the statutory requirements for school districts...rental at controlled rates is a facial physical taking). The U.S. Supreme Court has rejected the theory that rent control combined with restrictions against the eviction of tenants is a...

...v. *City of Escondido*, 503 U.S. 519 (1992). But even courts that do not reject rent control across the board recognize its potential to unjustly concentrate costs on landlords under...contributions of goods and services to finance federal operations.

366. The Supreme Court, for example, rejected the notion that Congress's power to block the movement of goods and services across...See Judith S. Kaye, *Federalism Gone Wild*, *N.Y. TIMES* (Late New York Edition), Dec. 13 , 1994, at A29.

387. Justice Story relied on precisely such a consideration of distributive justice...

...396. See 489 U.S. at 815 n.4, 817-18; see also Robert Mueller, *Rejection of the "Similarly Situated Taxpayer" Rationale: Davis v. Michigan Department of Treasury*, 43 *TAX LAW*...  
...*Monarchism' to Modern Localism*, 84 *Nw. U. L. REV.* 74, 96 (1989) (describing local governments' rejection of many federal constitutional principles, including separation of powers).

399. See, e.g., *Fasano v.*...no serious restriction on state mandates, because no court can assess whether fiscal notes are accurate . See Zelinsky, *supra* note 27, at 1366-67.

In the federal context, many federal grants...

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17/K/48 (Item 48 from file: 15)

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02-44521

**Estimation of semiparametric censored regression models**

Chay, Kenneth Y; Honore, Bo E

Journal of Human Resources v33n1 pp: 4-38

Winter 1998

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**Text:**

...these laws on changes in the black-white earnings gap (see Donahue and Heckman 1991).

Time - series studies examining the effects of Title VII and Executive Order 11246 rely on comparisons of...

...earnings that would have occurred even in the absence of these mandates. Consequently, with aggregate time - series data it is extremely difficult to disentangle the actual program effects from other factors unrelated...of log-earnings is stationary from 1963-71. These facts are vital in gauging the credibility of our estimates of the impact of civil rights policies. We conclude that Title VII...

...enforceable state laws before the passage of the 1964 Act were in the South.

Previous time - series studies evaluating the impact of these laws have used published aggregate data from the Current...

...trend after 1965 is a very controversial issue in the labor economics literature. With aggregate time - series data, one cannot explicitly account for coincidental changes in other factors related to relative earnings...from 1963-71, the black-white earnings gap, not corrected for censoring, narrowed about 0.13 -0.14 log-points. This could suggest that "vintage effects" were not the only source...use the Kaplan-Meier estimator (Kaplan and Meier 1958) to estimate the distribution of the error terms based on the CLAD estimates for all four years. Figures 3 and 4 present the estimated densities of the errors for the log-earnings and level of earnings models, respectively. The Kaplan-Meier estimator of...

...to facilitate comparisons with the standard normal density, which is also graphed, all densities are scaled to have the same inter-quartile range as a standard normal density. Figures 3 and 4 confirm that nonnormality of the errors is more likely to be an issue in the log-earnings model than in the...

...68. Under the null these have (asymptotic)  $\chi^2(2)$  distributions. Therefore, we easily reject the hypothesis that the errors are normally distributed. The test for heteroskedasticity yields statistics between...

...model. Under the null these have (asymptotic)  $\chi^2(12)$  distributions, and we therefore reject the null of no heteroskedasticity.11  
Again, examining the results for the log-earnings model...

...we do not know of a natural nonparametric interpretation of the semiparametric estimators considered here. <sup>13</sup> This is clearly a disadvantage of these estimators. In a limited attempt to investigate the ...the nonnormality tests, the 95th percentile of the test-statistics were 6.89 and 6.13 for the models in levels and log, respectively. These are not far from the critical...

...is similar in spirit to the Hausman-like specification tests derived in Newey (1987).

Footnote:

13 . The censored least absolute deviations estimator could be interpreted as estimating a vector  $g$  which...

...respectively. It should be noted that since the overidentifying restrictions of the model are not rejected, we could, in principle, combine the various estimators for the change in the black-white...

...In particular, if we used misspecified maximum likelihood estimates of the error variances, we would reject the hypothesis that the earnings distribution was stationary over time (see Chay 1995).

Footnote:

22. This is equation (2.13) in Powell's paper.

Footnote:

23. Buchinsky (1994) discusses this procedure for calculation of the... Activity. 1:67-120. Goldberger, Arthur S. 1983. "Abnormal Selection Bias." In Studies in Econometrics, Time Series, and Multivariate Statistics, ed. Samuel Karlin. New York: Academic Press. Hahn, Jingyong. 1994. "Bootstrapping Quantile..."

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**How accurate is the NCREIF Index as a benchmark, and who cares?**

Geltner, David

Real Estate Finance v14n4 pp: 25-37

Winter 1998

**ISSN:** 0748-318X **Journal Code:** RFN

**Word Count:** 8866

**How accurate is the NCREIF Index as a benchmark, and who cares?**

**Text:**

...question of the "statistical precision" of the index. By this we are

referring to the " accuracy " or "reliability" of the NPI as a measure of the true market performance of the...

...of appraisal error within a benchmark NPI. Recall that statistics allows us to quantify the accuracy of inferences that we can make about some underlying unobservable population based on what we...if we hired three independent appraisers instead of two we would have an even more accurate value for that property within the index. Indeed, the more independent appraisals we have for that one property that one quarter, the more accurate the reported value used in the NPI that quarter will be. In the extreme, if...

...conceptually. It is merely a tool to enable us to apply statistics to quantify how accurately the values used in the NPI are indeed reflecting the unobservable true market value of...NPI performance measured over any historical period. As a result, it is impossible to completely eliminate purely random error from the NPI no matter how many properties are included in the...

...property value.

As we would expect, benchmarks with more properties in the index are more accurate (smaller standard errors). Recall that this is not because there are more properties per se, but because the greater number of properties allows a larger sample of appraisals. Accuracy is also improved by taking a longer performance evaluation period over which the mean return...

...index, the second source of error. Indeed, there appears to be little additional gain in accuracy beyond about 50 to 100 properties in the benchmark index.

Another interesting result observed in...Exhibits 4 and 5 present additional information relevant to the range of probabilities that are plausible for these types of errors.

Exhibit 3 addresses the issue that is of concern to...

...incentive hurdles (H).

Exhibit 3 shows how this relationship changes across three different levels of accuracy in the NPI benchmark. In particular, Exhibit 3 shows the manager's probability of receiving...

...function of the manager's expected relative true performance, and as a function of the accuracy of the index. In particular, note that the manager's ...performance, his chance of earning the incentive is always exactly 50%, no matter what the accuracy of the benchmark index.

(Chart Omitted)

Captioned as: Exhibit 2

Who Cares the Most?

Exhibit...

...is set interacts with the manager's expected performance to cause differing incentives regarding the accuracy of the benchmark index. Note in Exhibit 3 how the manager's expected earnings as a function of the accuracy of the benchmark differ between a manager who expects to beat the hurdle versus a...

...incentive fee earnings of the manager who expects to beat the hurdle

increase the more accurate is the index. The opposite is the case for the manager who does not expect to beat the hurdle: His expected incentive fee declines the more accurate the benchmark index is. Thus, unless the hurdle is set too low or too high, it is only the better managers who will be concerned about the accuracy of the index.

#### The Contracting Dilemma

Exhibit 4 focuses on the other side of the...

...of the level at which the hurdle is set, and as a function of the accuracy of the benchmark index.

Exhibit 4 reveals a key motivation for the client in setting...

...probability of a Type II error. This is more important for the client the less accurate is the benchmark index (larger standard error).

Consideration of Exhibits 3 and 4 together reveal...

...acceptable incentive contract terms. The dilemma derives from the fact that reducing the Type II Error probability by increasing the hurdle level increases the Type I Error probability. Comparison of Exhibits 3 and 4 shows how this dilemma is more acute, the less accurate is the benchmark index. (Recall that the probabilities in Exhibit 3 are 100% minus the Type I Error probability.) For example, we saw in Exhibit 2 that, with 50 basis points of standard error in the benchmark index, the Type II Error probability cannot be reduced below 16% without increasing the Type I Error probability above 31%. Thus, unless greater accuracy can be obtained in the benchmark index, both the client and manager may have to live with levels of error probability greater than they would ideally be comfortable with. In the case of the NPI...

...in the index, Exhibit 1 revealed that the only way to further significantly increase the accuracy of the benchmark is to extend the period of time over which the evaluation is...

...contract can also help to mitigate this dilemma, for example, by providing for a sliding scale of incentive fees earned over some range of performance relative to the benchmark, rather than...

...dilemma described above.

#### Conclusion

This article has attempted to quantify the magnitude of purely random error within NPI-based performance measurement of the type that is often used in benchmarking and management incentive fee determination. We have also discussed the implications such error magnitudes hold for the probability of the occurrence of the types of "errors" that concern managers and their clients in using the NPI as a basis for incentive fee contracting. The probability of such error is seen to be significant under realistic circumstances, even ignoring the exacerbating effects of random error in the manager's own portfolio valuation. It is therefore important that practitioners consider the implications of random error in designing incentive contracts (e.g., by the use of graduated incentive fees across a sliding scale of performance), and that NCREIF consider index construction procedures that help to reduce error (e.g., repeated-measures regression technology).

#### Appendix A

...managers must believe the appraisal standard error is about 15% of the true property value. 13

In addition to such indirect evidence, there is some direct empirical evidence regarding the magnitude...

...of the property value. The robust range for this estimate is put at 6% to 13 % of the property value.

More recently, Diaz and Wolverton [1997] have conducted a controlled experiment...

...Diaz-Wolverton experiment were initially all given the same information to work from, so this eliminates one source of variation that would actually be present in the real world. Secondly, the...at which buyers or sellers can expect to trade) can be directly observed with great accuracy at any point in time for publicly traded securities. From the perspective of a small trader, the publicly quoted transaction prices indeed represent

Footnote:

"liquid" values at which he or she can trade. From...measures regression-based version of the NPI noted earlier holds some promise for increasing the accuracy of the NPI without having to extend the evaluation period, by eliminating the lag source of error caused by quarterly compilation of annual reappraisals. If the manager...

...least a 68% chance that the internal appraisal is in fact wrong (i.e., we reject the null hypothesis with 68% confidence). Similar reasoning can be applied for a two-standard...a computed time-weighted mean return as of a single point in time, not a time series or intertemporal moment.

Reference:  
References

Reference:

Damodaran, A., and C. Liu. "Insider Trading as a...

...Journal of Real Estate Research, 9, 4 (Fall 1994), pp. 403-419.

Reference:

Johnson, D. "Accuracy in Commercial & Industrial Real Estate Appraisals." Ph.D. Dissertation, Department of Real Estate & Business Law...

**Descriptors:**  
... Accuracy ;

**Classification Codes:**

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**Dialog eLink:**

**DSPTD Full Text Retrieval Options**

17/K/50 (Item 50 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)



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01541485 01-92473

**The value-relevance of SFAS No. 95 cash flows from operations as assessed by security market effects**

Cheng, C S Agnes; Liu, Chao-Shin; Schaefer, Thomas F

Accounting Horizons v11n3 pp: 1-15

Sep 1997

ISSN: 0888-7993 Journal Code: ACH

Word Count: 5930

**Text:**

...the underlying estimates are noisy. Because the reported SFAS No. 95 data should be more accurate than these ...Measurements of cash flows from operations are unaffected by accounting accruals and deferrals and consequently eliminate one source of potential manipulation. Cash flows from operations are thus seen as a more...estimates of cash flows from operations may contain substantial errors.

Although estimation error can be eliminated with firm-specific disclosure, the overall impact of instances of non-articulation on the value and balance sheet data following Ali (1994).1

To prevent any undue influence by outliers, we delete 133 observations where the level or change in earnings, cash flows from operations, or the estimated cash flows from operations (all scaled by beginning market value) is not between +1.5 and -1.5.12 The final...

...statistics for the variables used in our tests and panel B shows correlations among variables. 13 The sample appears similar in description to prior work on cash flows. Dechow (1994) reports a mean value of 0.138 for estimated cash flows from operations scaled by beginning market value compared to our statistic of 0.158. In our sample, the...Professor Liu gratefully acknowledges the research support of Coopers & Lybrand LLP.

**Footnote:**

Foster (1986, 604) quotes former SEC Chairman Harold Williams' observation that "Corporate earnings reports communicate, at best, only part...

...mean. We also assess the sensitivity of the results by re-analyzing the data without deleting the extreme values. The pattern of results is unaltered, but the adjusted R sup 2 is lower.

13 The mean annual unexpected return,  $R_{sub jt}$ , is -0.021. This indicates that the...

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**Dialog eLink:**

**DSPTO Full Text Retrieval Options**

17/K/51 (Item 51 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01537604 01-88592

**The role of the "harm/benefit" and "average reciprocity of advantage" rules in a comprehensive takings analysis**

Oswald, Lynda J

Vanderbilt Law Review v50n6 pp: 1450-1524

Nov 1997

ISSN: 0042-2533 Journal Code: AVL R

Word Count: 34662

**Text:**

...continuum.<sup>23</sup> One end of the continuum is anchored by the traditional form of eminent domain : a physical confiscation of property, no matter how trivial. The other end is anchored by...

...notion of a continuum is incomplete and inaccurate, for it ignores the possibility that an invalid police power action is not necessarily an exercise of the eminent domain power; rather, it may simply be an invalid regulation.<sup>24</sup>

Courts should abandon the flawed continuum model in favor of a two-step... case, *Mugler v. Kansas*.<sup>34</sup> After a sporadic and checkered career, the test was explicitly rejected by the Supreme Court in its 1992 decision in *Lucas v. South Carolina Coastal Council*...pig in the parlor instead of the barnyard."<sup>78</sup>

Unfortunately, the eloquence of the oft-quoted pig simile obscures the fact that the nuisance analogy is incomplete in the zoning context...the basis of the benefits conveyed by the project to the railroads.<sup>ss</sup> The Court rejected this contention, noting that it embraced only half of the two-part test set forth...

...tower over its own property, the historic Penn Central Terminal. A majority of the Court rejected the claim, finding that the property retained sufficient economic value and reasonable return to counter... benefit test had been applied on the grounds that none of them posed the complete elimination of economic value at issue in *Lucas*.<sup>131</sup> According to Justice Scalia, if mere recitation...Court implicitly reembraced the tenets of the harm/benefit distinction that it had sought to reject in the context of *Lucas*. Chief Justice Rehnquist, writing for the majority, held that a...

...is typical:

To say that the cedar tree owner caused the harm is no more accurate than to say that the apple growers caused the harm by locating near cedar groves...confer public benefit, rather than to prevent public harm.<sup>145</sup> In *Penn Central*, the Court rejected the property owners' contention that cases such as *Miller* were based upon prevention of a...

...upheld a city ordinance prohibiting excavation beneath the water table within the city limits, effectively eliminating all productive use of the petitioner's existing sand and gravel pit. Although the pit...at most for coming to the nuisance--an argument which Professor Freund had little difficulty rejecting in his influential police power treatises<sup>2</sup> and which the courts also have been reluctant to...facie tort liability, an argument that provides a reasonably apt analogy for takings analysis. He rejected the traditional formulation of the causation question--"whether, but for the negligence of the defendant...ambiguity and

unpredictability in this already confusing field.<sup>182</sup>

That Justice Scalia did not outright reject nuisance law as a gauge for identifying takings, however, indicates its essential role in takings that Justice Scalia had attempted to reject.<sup>19</sup> Justice Scalia responded to this criticism by emphasizing that "an affirmative decree eliminating all economically beneficial uses may be defended only if an objectively reasonable application of relevant...

...state court chooses to denominate 'background law'—regardless of whether it really is such—could eliminate property rights."<sup>19</sup>

Because nuisance law is continually evolving, it does not provide a fixed ...

...for a predictable one.

#### C. The Harm/Benefit Test: A Summary

In *Lucas*, Justice Scalia rejected the harm/benefit test, finding that "the distinction between regulation that 'prevents harmful use' and...

...the harm/benefit test is self-evident even within Justice Scalia's own opinions. His rejection of the harm/benefit test in *Lucas* is difficult to reconcile with his 1988 opinion...stop with a blind application of the test.

Proper application of police power analysis will eliminate the difficulty of distinguishing between harms and benefits. *Nollan v. California Coastal Commission*,<sup>214</sup> for...landowners.<sup>26</sup>

The distinction between the two categories had been drawn much more sharply and accurately in *Wurts v. Hoagland*, which was the second of the three cases relied upon in <sup>268</sup> The Supreme Court rejected the property owner's claim that the statute deprived her of property without due process...private property without due process of law<sup>284</sup> an argument which the Court had little difficulty rejecting.<sup>2</sup>

The opinion of the Pennsylvania Supreme Court, on the other hand, actually addressed the...

...and subsurface owners of property. Although the state could exercise its eminent domain power to eliminate the risk of subsidence, it could not attempt to do so indirectly and without compensation...of its land.<sup>314</sup>

The district court in *Euclid* agreed with the property owner, expressly rejecting the average reciprocity of advantage rule as a justification for the ordinance.<sup>315</sup> The district...Court set forth the modern form of the average reciprocity of advantage rule, which essentially rejected the limitations established by the original articulations of the rule. *Penn Central* involved a challenge...

...to achieve an average reciprocity of advantage.

Justice Brennan, writing for a 6-3 majority, rejected this argument. Although his opinion did not use the phrase "average reciprocity of advantage,"<sup>336</sup>...

...the owners in those cases suffered disproportionately from the legislation restricting their land uses. He rejected the contention of the Terminal's owners that those cases dealt with noxious uses, stating...

...which prohibited outright the sale of such items. Justice Brennan,

writing for a unanimous Court, quoted from Justice Brandeis's dissent in Mahon, stating that regulated property owners could not complain...the benefit received by each individual property owner.<sup>372</sup> Justice Rehnquist, on the other hand, rejected this "social reciprocity" vision of the average reciprocity of advantage rule on two occasions. He...

...will be benefited by another."<sup>381</sup>

Justice Rehnquist also dissented in *Keystone*,<sup>32</sup> where he rejected Justice Stevens's expansive notion of the average reciprocity of advantage rule. He again noted...law in terms of a continuum—at one end are valid exercises of the eminent domain power, and at the other are valid exercises of the police power. Regulatory takings occur...

...where a regulation crosses an invisible line and becomes, in effect, an exercise of eminent domain rather than a police power act. See *id.* at 413 ("When [regulation] reaches a certain magnitude, in most if not in all cases there must be an exercise of eminent domain and compensation to sustain the act."). I have criticized the continuum notion, arguing that it "obscures a very potent fact: An invalid exercise of the police power is not necessarily an exercise of the eminent domain power requiring compensation; rather, it may be an invalid regulation." The continuum notion results in muddled analysis and, ultimately, incorrect outcomes. Lynda J. Oswald...<sup>12</sup>. See generally Oswald, 70 Wash. L. Rev. at 91 (cited in note 3).

Footnote:

13 . See note 1 and accompanying text (quoting Fifth Amendment). 14. See *Lochner v. New York*...

...<sup>139</sup> (1837) (noting that it is "emphatically" difficult to define "with the proper precision and accuracy . a subject so diversified and multifarious as the [police power]").

21. See, for example, California...Yale L. J. at 48–50 (cited in note 37). Not all modern commentators have rejected the test. See, for example, Kmiec, 88 Colum. L. Rev. at 1633–38 (cited in...

...the eminent domain power. The Court discussed *Pumpelly v. Green Bay Co.*, 80 U.S. ( 13 Wall.) 166 (1871), in which a property owner sued for damages for the flooding of...to be diminished himself created the need for the public regulation by his conduct."). Sax rejected the creation-of-the-harm test on the grounds that the test simply addressed

Footnote...<sup>74</sup> Yale L. J. at 49 (cited in note 37)). 131. *Id.* at 1026 n. 13 (citing *Mugler*, *Hadacheck*, *Goldblatt*, *Reinman u. City of Little Rock*, 237 U.S. 171 (1916)...uniformly sustained, a century ago, or even half a century ago, probably would have been rejected as arbitrary and oppressive. Such regulations are sustained, under the complex conditions of our day...such an improvement to landowners who could so benefit. *Id.* at 156–57. The Court rejected each of these claims. See *id.* at 164–70 (finding that the act provided an...U.S. at 176 (noting that "the amount of benefits is not susceptible of that accurate determination which appertains to a demonstration in

Footnote:

geometry"); *Hagar*, 111 U.S. at 705...not prescribed, and that there is no right of appeal.

*Id.* at 542. The Court rejected each claim. See *id.* at 542–44 (finding no problem with the membership of the...<sup>133</sup> n.30.

340. Id. at 134-35 (stating that unless the Court were to reject the New York City Council's judgment that "the preservation of landmarks benefits all New...

...140 (Rehnquist, J., dissenting).

376. Id. at 139 n.2 (Rehnquist, J., dissenting). Justice Rehnquist quoted from the opinion of the New York Court of Appeals: "[In historic districting, as in...587, 599 (1900) (quoting Dillon, 1 Municipal Corporations 141 (cited in note 256)).

398. The quote originally appeared in *Armstrong v. United States*, 364 U.S. 40, 49 (1960), and has...

...Enu. Management, 427 N.E.2d 750 (Mass. 1981), for example, the Massachusetts Supreme Court rejected a takings claim stemming from a wetlands regulation, finding that "[a]s a citizen, the...

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17/K/52 (Item 52 from file: 15)

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01532871      01-83859

**Analysts' forecast accuracy and the presentation of a mandated accounting change**

Fort, C Patrick

Journal of Applied Business Research v13n4 pp: 93-105

Fall 1997

ISSN: 0892-7626 Journal Code: JRH

Word Count: 6000

**Analysts' forecast accuracy and the presentation of a mandated accounting change**

**Abstract:**

...different methods were compared over several periods to determine if the alternative presentations enhanced forecast accuracy and if that was dependent on the forecast horizon. While some of the covariates were significantly correlated. the results indicate that analysts gained no forecast accuracy advantage from having the increased disclosure.

**Text:**

...different methods were compared over several periods to determine if the alternative presentations enhanced forecast accuracy and if that was dependent on the forecast horizon. While some of the covariates were

significantly correlated, the results indicate that analysts gained no forecast accuracy advantage from having the increased disclosure.

#### Introduction

This research addresses one of the more contentious...

...different methods were compared over several periods to determine if the alternative presentations enhanced forecast accuracy. The results indicate that analysts gained no forecast accuracy advantage from having increased disclosure provided by restating prior years as if the new method...

...that adherence to externally imposed standards brings with it. There also is a gain in credibility. The public is naturally skeptical about the reliability of financial reporting if two enterprises account...

...Journal, and the relative year of adoption of SFAS 96, no significant difference in forecast accuracy was found.

Previously, researchers investigating analysts' forecasts of earnings have used nonparametric statistical methods to...

...caused by abnormal distributions and outliers. This paper develops a regression model to test forecast accuracy by employing a log transformation of forecast error to overcome those problems. Variables, such as...

#### ...Accounting Changes

The majority of prior research studies on financial analysts have dealt with analysts' accuracy relative to various models of expected earnings. Those studies indicate that analysts are superior to...

...Brown, 1983). Buchman and Fort (1996) investigated the effects of voluntary accounting changes on forecast accuracy and found none in the years subsequent to the changes. Potential selection bias problems in...an immaterial effect from the accounting change (as defined on in the financial statements) were eliminated. Firms with other accounting changes in the year before, of, or following the change to SFAS 96 were also eliminated to control for error related to those other changes.<sup>5</sup>

The I/B/E/S...

...firms adopting SFAS 96.

#### Model

McEwen (1989) showed that the ex ante choice of an error metric assumes a loss function for the user of the forecast. Because each individual user error metric that best generalizes. Percentage error is the percentage difference between the mean analysts' forecast and the firm's actual EPS. This error metric is preferable to absolute error, because it deflates the error by the firms' EPS and thus adjusts all errors to the same scale (Christie, 1987)

(Table Omitted)

Captioned as: TABLE 1

#### Sample Summary Statistics

Absolute percentage error (APE...

...Absolute percentage error was calculated using the following formula:  
(Formula Omitted)

Prior research investigating forecast accuracy has used nonparametric statistics, because forecast errors are not normally distributed. To test hypotheses about...

...6 There are several techniques that address this non-normality problem. Among them are the deletion of outliers (Hughes and Ricks, 1987), setting outliers to a predetermined level (Collins and Hopwood...

...variables in standard linear models. Power transformations have the effect of stretching and contracting the scale on which the dependent variable is measured depending on which portion of the scale the variable falls. For example, as a value increases, log transformations increasingly contract the scale. This means that large forecast errors that might otherwise be outliers fall within acceptable limits. All of this can be accomplished without any loss of interpretability...

...Both Elliott and Philbrick (1990) and Conroy and Harris (1987) categorically demonstrated that mean forecast accuracy is higher for larger numbers of analysts. Including the number of analysts (NUMBER) as a ...

...forecast horizon may depend on what is being studied. Elliott and Philbrick (1990) compared forecast accuracy in the change year to either the year before or the year after the change looking for a change year difference. O'Brien (1990) compared the accuracy of individuals. Brown (1983) compared accuracy in the year following the change to the year before, and found some change specific... $2 = .221$ ), which seems to indicate that there is an accounting change year effect on accuracy on the final forecast of the change year (Month 0,  $F = 4.398$ , Adj.  $R^2 = .090$ ). The model predicts less accurately the further away the announcement date as indicated by the trend in  $F$  statistics and...

...three periods the variable for the number of analysts (NUMBER) was significantly correlated with forecast accuracy at the .01 level or greater. In two months the variable was significant at the .05 level, and it was not significant in Month 1. In all periods where significant, accuracy increased with the number of analysts making forecasts. These results are consistent with the categorical...

...particularly sensitive to forecast horizon.

The dispersion of analysts forecasts was significantly correlated with forecast accuracy in eight periods at the .01 or greater level. It was not statistically significant at...

...the other five periods (Months 1-5). In those periods where it was significant, forecast accuracy decreased as the dispersion around the mean forecast increased. This seems to indicate that the...

...in every period indicated that prior disclosure was in the same direction as decreased forecast accuracy.

The variable for year of adoption (YEAR) was statistically significant (at the .057 level) only in Month 0. The sign of the coefficient indicates that analysts' forecast accuracy improved in the years following the initial release of the statement. If this variable had...

...more difficult.  
Summary

The central focus of the research was to determine if analysts' forecast accuracy in the period following an accounting change was affected by the presentation of the change...

...of twelve post-change periods studied. One could only conclude that, as measured by forecast accuracy in this one instance, restating financial statements does not appear to be a superior way...cumulative effect method.

This research extends prior studies that looked at variables that influence forecast accuracy. The number of financial analysts covering a firm is strongly positively correlated with the accuracy of their mean forecasts. This relationship tends to remain constant regardless of forecast horizon. Also, the dispersion around analysts' mean forecasts is strongly negatively correlated with forecast accuracy in periods close to the earnings announcement. Because of their high explanatory power, these results...

...the need to control for these two factors in any studies that use analysts' forecast accuracy.

It was weakly demonstrated that analysts' adoption-year forecast accuracy improved in the years following the original pronouncement of an accounting change. This is probably...

...difficult. Surprisingly, prior disclosure in the Wall Street Journal did not seem to affect forecast accuracy. This result is contrary to the findings of Elliott and Philbrick (1990) and Biddle and...

...more comprehensive, because several variables can be included to control for alternative explanations of forecast accuracy and to test other hypotheses of interest.

The main limitation of the study was the...

...that the presentation of a specific mandated accounting change did not affect financial analysts' forecast accuracy in the year following the change. One possible way to extend this research would be...

...forecast, changes that did not affect earnings were assumed to have no impact on forecast accuracy. Second, the financial statement treatment for disclosing the change was inconsistent. In many cases firms...

...8. Log transformations cannot be performed on zero or negative numbers. The absolute value (APE) eliminated the negative errors, and .01 was added to each data point to allow for the...

...transformation normalized the distribution and drastically reduced the number of outliers, it did not completely eliminate outliers. Therefore, all outliers that were indicated by the regression analysis (residual > 3 standard deviations) were deleted. For the analysis this resulted in the elimination of 26 of 2457 observations (1.1%). Twenty of those were forecasts ...Series Vol. B 26, pp. 211-243, 1964. Brown, Lawrence D., "Accounting Changes and the Accuracy of Analysts' Earnings Forecasts," Journal of Accounting Research Vol. 21, No. 2, pp. 432-443...

...L. Hagerman, Paul A. Griffin, and Mark E. Zmijewski, "Security Analysts Superiority Relative to Univariate Time - Series Models in Forecasting Quarterly Earnings," Journal of Accounting and Economics, Vol. 9, pp. 61-87 ...

...of Corporate Earnings per Share Behavior,"

The Journal of Finance, Vol. 35, No. 1, pp. 13 -21, 1980.



11. Cheng, C. S. Agnes, William S. Hopwood, and James C. McKeown,  
"NonLinearity..."

...in Accounting Research." Journal

Reference:

of Accounting and Economics, Vol. 9, pp. 231-258, 1987

13 . Collins, William A. and William S. Hopwood, "A Multivariate Analysis  
of Annual Earnings Forecasts Generated from Quarterly Forecasts of  
Financial Analysts and Univariate Time - Series Models," Journal of  
Accounting Research Vol. 18, No. 1, pp. 390-406, 1980.

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Earnings: Analysts' Forecasts and Time Series Methods," Management  
Science, Vol. 33, No. 6, pp. 725-738, 1987.

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...A Second Course in Statistics, Reading, MA, Addison-Wesley, 1977.

33. O'Brien, Patricia, -Forecast Accuracy of Individual Analysts in Nine

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**Dialog eLink:**

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17/K/53 (Item 53 from file: 15)

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01509238      01-60226

**The sales manager as a role model: Effects on trust, job satisfaction,  
and performance of salespeople**

Rich, Gregory A

Journal of the Academy of Marketing Science v25n4 pp: 319-328

Fall 1997

**ISSN: 0092-0703 Journal Code: AMK**

**Word Count: 7027**

**Text:**

...the "extra mile" if their supervisors are not willing to do the same.  
The Pacetta quote suggests that successful sales managers do make a point  
to become role models for their...In other words, trust is limited if a  
salesperson believes in the sales manager's credibility and integrity yet  
is unwilling to rely on that sales manager. This behavioral intention to...  
House 1977). Further, social cognitive theory suggests that salespeople  
will more quickly learn and more accurately engage in effective work  
behavior (e.g., proper selling techniques) when the sales manager provides  
...Of course, the advantage of this data acquisition design is that it  
minimizes concerns of error due to common method variance. The next  
section describes the specific measurement scales used.

Measures

The role-modeling scale was developed using procedures recommended by Schwab (1980), Churchill...

...necessarily an indicator of poor fit. Models with good fit are known to be falsely rejected by chi-square tests due to bias stemming from nonnormality and/or sample size. The...and Salesperson-Sales Manager Trust in Sales Organizations." Journal of Personal Selling and Sales Management 13 (Fall): 1-15.

Sujan, Harish, Barton A. Weitz, and Mita Sujan. 1988. "Increasing Sales Productivity...

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**Dialog eLink:**

**DSPTD Full Text Retrieval Options**

17/K/54 (Item 54 from file: 15)

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01482984 01-33972

**The round-the-clock market for U.S. Treasury securities**

Fleming, Michael J

Economic Policy Review v3n2 pp: 9-32

Jul 1997

**Journal Code:** EPV

**Word Count:** 9475

**Text:**

...vendors such as Bloomberg, Knight-Ridder, and Reuters. The data for this article include the quote and trade data for all "when-issued" and "on-the-run" securities in the cash...

...periods. Trading locations are also assigned on the basis of the time of day a quote or trade was made (Chart 1). Appendix B discusses the data in more detail, including...data provider, GovPX, Inc. However, the period was shortened to April 4-August 19 to eliminate differences in the data format and to ensure that daylight saving time did not go...

...that the distribution of trading activity by location has been relatively stable in recent years.

13 . Similarly, Barclay, Litzenberger, and Warner (1990) find negligible trading volume in Tokyo for U.S...Kochin (1971), Garbade and Silber (1976), and Garbade and Rosey (1977).

28. No bid-ask quote for the thirty-year bond is recorded for 40 percent of the Tokyo half-hour...daily volume data provided separately from the ticker feed are also useful in ensuring data accuracy . The study identifies 243,222 unique transactions over the ninety-day sample period, or an average of 2,702 per day.

Prices in U.S. Treasury notes and bonds are quoted in 32nds and can be refined to 256ths. Transaction prices, as well as bids and offers, are

converted to decimal form for this analysis. Pricing errors are also screened from the data set using a two-step procedure. First, large trade ...

...average of 2,701 prices per day.

Appendix:

A multistep procedure is used to screen quotes from the data set:

Bids are first screened for large quote -to- quote movements that revert a short time later. This first screen drops an average of 4 quotes per day.

As offers in the data set are quoted off of the bids, large positive spreads are indistinguishable from small negative ones. Spreads calculated ...

...less than 1.0) are likely to be negative spreads that existed only momentarily when quotes arrived from two different brokers. These quotes (an average of 115 per day) are dropped.

- One-sided quotes (a bid or an offer, but not both) are occasionally posted by dealers. This study...

...standard deviations from the daily spread mean. This process screens out an average of 9 quotes per day.

Appendix:

As spreads posted by the interdealer brokers do not include the brokerage ...

...charged to the transaction initiator, zero spreads are common and can persist for lengthy periods. Quotes calculated to be zero are therefore kept in the data set. The data set retains 889,936 quotes from the sample period, or an average of 9,888 per day.

Once the data...

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**USPTO Full Text Retrieval Options**

17/K/55 (Item 55 from file: 15)

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01480228      01-31216

**Can humans detect errors in data? Impact of base rates, incentives, and goals**

Klein, Barbara D; Goodhue, Dale L; Davis, Gordon B

MIS Quarterly v21n2 pp: 169-194

Jun 1997

ISSN: 0276-7783 **Journal Code: MIS**

**Word Count:** 11897

**Text:**

...signal detection theory but also a theory of individual task performance, theories of effort and accuracy in decision making, and theories of goals and incentives) to develop a set of propositions...

...If humans cannot detect errors, and efforts to automatically validate data have not succeeded in eliminating errors, organizations are extremely vulnerable to data inaccuracies.

In this paper, it is argued that the human ability to detect errors should not be written off prematurely. Rather, humans can and do detect errors, and human error detection performance can be improved. Knowledge about human performance in general needs to be brought to bear on the domain of error detection so that the conditions under which humans are more effective error detectors can be better understood. This is essential if resources are to be allocated efficiently...

...signal detection theory but also a theory of individual task performance, theories of effort and accuracy in decision making, and theories of goals and incentives) to develop a set of propositions...

...quality has been accepted by researchers working in this area, there is agreement that data accuracy, currency, and completeness are important areas of concern (Agmon and Ahituv 1987; Davis and Olson...

...definition of data quality (Huh et al. 1990) which includes four dimensions of data quality: accuracy, completeness, consistency, and currency. This study is primarily concerned with data accuracy, defined as agreement with either an attribute of a real world entity, a value stored...1987; Bowen 1992; Paradise and Fuerst 1991). Third, many researchers argue that users need not discard data containing errors. A variety of approaches for using imperfect data have been suggested (Ballou ...

...is accompanied by a warning stating that the user should verify that the information is accurate (Laudon 1986). A laboratory experiment was conducted in which over 90% of the subjects failed...

...behavior in handling data, a pilot study was conducted to investigate whether actuaries typically detect errors in data (Klein 1995, 1996). Actuaries were studied because it was expected that (1) they would be highly motivated to detect errors since they use data of uncertain accuracy generated outside of their organizations and (2) they would develop effective methods for working with inaccurate data because errors frequently occur in this domain.

A series of semi-structured interviews was conducted with ten actuaries. All of the actuaries...

...time and effort required to find additional errors versus the potential impact of a more accurate dataset. These results suggested the value of additional research on human error detection behavior.

A...

...conclude there is an error (false alarm) or correctly conclude there is no error (correct rejection). Thus the performance of an individual can be characterized by a table like the one evaluation of forecast accuracy (Levi 1985), and human vigilance (Craig 1987; Jerison 1967). The common thread across these studies...

...place the response criterion far to the right) and thus would have relatively more correct rejections, but also more misses. Alternatively, the clerk could decide to flag any even slightly ambiguous...useful in understanding error detection performance: theories of individual task performance, theories of effort and accuracy in decision making, and theories of goal setting and incentives.  
Theories of individual task performance...

...emphasis on the relationship between effort and task performance is used here.

Theories of effort, accuracy, and incentives in decision making. Theories of effort and accuracy in decision making suggest that individuals will adopt information processing strategies that focus effort on...the end of the experimental session.

Based on a task analysis and discussion with a domain expert, errors were embedded in 36 of the 100 employee records that subjects received for the first two firms. The embedded errors were similar to those discussed by the ten actuaries in the semistructured interviews. An example of an error in an employee record is an inconsistency between the value in the "hire date" field and the value in the "years of service" field. The task was validated by a domain expert to verify that the types of errors embedded in the data are representative of the data errors that occur in the domain. The embedded errors were the same in all of the experimental conditions.

Dependent variables

To test the propositions...Students were used because they are less likely to have beliefs about the likelihood of errors in data than experienced professionals. The use of experienced professionals with domain-specific expectations could confound the manipulation of the expectations about the base rate of errors.

Experiment 1: Impact of Base Rates and Incentives

The first experiment addresses propositions 1 and...

...pension calculation task tend to provide data mostly free of errors. No mention of the accuracy of the data provided by the clients in the past is made in the memo...but the mean scores for all conditions fall in the middle of a five point scale and range from 2.8 to 3.5. It is also possible that any early expectations about base rates were quickly revised by the subjects' experience as they found numerous errors in the data early in the experimental session. It appears that the base rate expectations...

...manipulated. Thus no conclusions should be drawn about the impact of expected base rates on error detection performance.

A second finding not in line with predictions was the impact of the...but this latter effect did not achieve statistical significance. This study specifically focused on data accuracy, which is one of several types of data deficiencies that researchers have noted in the...in MIS research has been that most humans do not detect errors in data. The quote in the introduction of this paper from the MIS Quarterly's executive overview for the...

...Detection Theory to Clarify Problems in Evaluating Performance in Industry," *Organizational Behavior and Human Performance* (13:3), 1975,

pp. 307-317.

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17/K/56 (Item 56 from file: 15)

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01434474 00-85461

**Expectations and monetary neutrality: An Empirical Reexamination**

Poitras, Marc

Southern Economic Journal v63n4 pp: 920-928

Apr 1997

**ISSN:** 0038-4038 **Journal Code:** SEJ

**Word Count:** 3219

**Abstract:**

...results contradict each of Mishkin's 4 salient findings. Evidence is also presented which suggests rejection of the Frydman-Rappaport (1987)

hypothesis regarding the irrelevance of the distinction between the output  
...

**Text:**

...supported the neutrality of anticipated money growth. In a particularly influential study, Mishkin [21; 22] rejected the neutrality of anticipated policy. Mishkin's paper [21] has become one of the most...

...showed that i) the hypothesis that anticipated policy has no effect on output is strongly rejected ; ii) anticipated nominal changes have a greater estimated effect on output than do unanticipated nominal...

...small number of additional studies suggest that the neutrality hypothesis is not robust. The empirical rejection of the neutrality hypothesis contradicts a wide range of modern monetary models, including those based...

...of Mishkin's four salient findings described above. The study also presents evidence which suggests rejection of the Frydman-Rappoport hypothesis regarding the irrelevance of the distinction between the output effects...

...s specification procedure fails to replicate his particular specifications over the extended data set. The credibility of equations (3a,b) as rational forecasts hinges on the stability of the parameters over...

...of the recursive residuals, which has expectation zero under the null hypothesis of parameter stability [ 13 .8 The procedure yields a t-statistic of 0.42 for the money equation and 1.69 for the inflation equation. Thus the tests fail to reject parameter stability at the .05 level. The result suggests that the forecasting equations (3a,b) accurately and parsimoniously represent the processes generating money growth and inflation.

III. Results

(Table Omitted)

Captioned...

...insignificance of anticipated inflation also concurs with the neutrality hypothesis. These results contradict Mishkin's rejection of the neutrality of anticipated policy. Note that unanticipated inflation is insignificant as well, which...

...unanticipated inflation PDL coefficients. The resulting  $X^2$  (4) equals 8.04 which indicates rejection of the null hypothesis of equal coefficients at the 10 percent level. Hence even the inflation specification provides some evidence for rejecting the Frydman-Rappoport hypothesis.

(Table Omitted)

Captioned as: Table II. Maximum Likelihood Estimates of Output...

...than the GDP deflator. The core CPI excludes food and energy prices and might more accurately reflect price level changes due exclusively to shifts in monetary factors.

To further explore the...

...a  $X^2$  statistic of 12.79 with four degrees of freedom. The test rejects the neutrality of unanticipated M1 at about the 2 percent significance level. The inflation specification produces a  $X^2$  (4) of 9.22, implying rejection of the neutrality of unanticipated inflation at about the 6 percent level. Table IV displays...

...Captioned as: Table IV. Maximum Likelihood Estimates of Equation (4) Lag Coefficients

Mishkin's strong rejection of the neutrality hypothesis does not hold over the updated data set. The results support...

...the nominal aggregate. Monetary models receive less support from the inflation specification, but Mishkin's rejection of neutrality again does ...and the power of the tests. Furthermore, the estimated lag distributions presented here have more plausible and consistent shapes than those estimated by Mishkin. The extended data set also fails to...

...combined with a natural rate hypothesis, leads both types of model to predict the same time series relationship between nominal innovations and output; that is, only unanticipated nominal innovations affect output [1...

...15] finds that ignoring relevant lags significantly biases the Mishkin and Barro tests toward over-rejection of the neutrality hypothesis, while including superfluous lags causes only slight bias.

4. Anticipated inflation...

... $X^2$  (8) = 11.04 for the inflation equation. The ten percent critical value is 13.36, so the tests fail to reject the null hypothesis of no serial correlation at conventional significance levels.

7. On the other...

...especially in samples of 120 or more observations.

8. The  $n$ th recursive residual is the scaled forecast error for the  $n$ th observation based on a regression involving the first  $n - 1$  observations.

Footnote...Spencer, "Price Prediction Errors and Real Activity: A Reassessment." Economic Inquiry, October 1990, 658-81.

13. Harvey, Andrew C. The Econometric Analysis of Time Series, 2nd ed. Cambridge, Mass.: MIT Press, 1990. 14. Haubrich, Joseph G. and Robert G. King...

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17/K/57 (Item 57 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00-81767



**A clear view of The Cathedral: The dominance of property rules**

Epstein, Richard A

Yale Law Journal v106n7 pp: 2091-2120

May 1997

ISSN: 0044-0094 Journal Code: YLJ

Word Count: 16277

**Text:**

...Armed with our zero transaction costs assumption, any dispute on valuation could be resolved both accurately and instantly. In both cases, each asset would end up in the hands of the...

...The risk of undercompensation in such situations is pervasive given the inability to determine with accuracy the losses, both economic and subjective, that follow when individuals find that someone else has...in which liability rules are thought to be superior to property rules, or at least plausible substitutes for them.<sup>10</sup> That point of view is taken to its most extreme formulation...

...line between optimism and perjury,"<sup>12</sup> under what we would call a self-assessment system. <sup>13</sup> This system is designed not to get an accurate measure of value, but rather to insure by indirection the specific recovery of the thing...has come under constant attack especially in cases of innocent takings, where it is usually rejected today. What possible reason is there to believe that I want the ill-fitting galoshes...equivalence" to the value he could have obtained by foreclosure, a task that requires an accurate calculation of interest, which is not easily achieved.<sup>45</sup>

The principles of necessity are not...

...for the harm so caused. The cases of necessity are real, and they cannot be eliminated from any accurate summarization of the common law rules or indeed from any systematic philosophical study of the...average value which is fifty percent above the market price."<sup>66</sup> The telltale sign of error is that it assumes that houses, as opposed to raw land, could be flooded in...

...cases initiated by government bodies. It simply misstates the social context to equate the eminent domain power in this instance to a state-administered liability rule.

A similar analysis applies to...

...tree owners to act of their own accord, without having to pay compensation. The statute rejected that initiative by requiring a state entomologist to certify the danger to nearby apple trees...L.J. 703 (1996).

**Footnote:**

12. BARRY NICHOLAS, AN INTRODUCTION TO ROMAN LAW 102 (1962). <sup>13</sup> . See Saul Levmore, Self-Assessed Valuation Systems for Tort and Other Law, 68 VA. L ...1995). <sup>81</sup>. See SIR MATTHEW HALE, DE PORTIBUS MARIS (1670) (1 Harg. Law Tracts 78), quoted in Allnutt v. Inglis, 104 Eng. Rep. 206, 208 (K.B. 1810).

82. See Board...

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17/K/58 (Item 58 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01413866 00064853

**Democracy, Kulturkampf, and the apartheid of the closet**

Eskridge, William N Jr

Vanderbilt Law Review v50n2 pp: 419-443

Mar 1997

ISSN: 0042-2533 Journal Code: AVL R

Word Count: 10793

**Abstract:**

In the *Romer v. Evans* (1996) decision, Justice Scalia charges that *Romer* is inconsistent with both the rule of law and the system of...

...rather than undermines, the rule of law in America's representative democracy. It challenges Justice Scalia's invocation of majority-rules democracy as the basis for legitimate state decision making. It...

...to help the political system repudiate the legacy of Kulturkampf. It is argued that by invalidating local rules protecting openly gay people against job discrimination, the Colorado initiative impaired the ability...

**Text:**

...constitutionality of Amendment 2.'o The other precedent cited was *Bowers v. Hardwick*.<sup>11</sup>

Justice Scalia's charge was that *Romer* is inconsistent with both the rule of law and the...

...democracy. In this Comment, I join Professor Schacter and other scholars in responding to Justice Scalia's charge.<sup>12</sup> *Romer* subverts, rather than undermines, the rule of law in America's representative democracy. I make three kinds of arguments. The first argument challenges Justice Scalia's invocation of "majority-rules" democracy as the basis for legitimate state decisionmaking. According to...

...political system repudiate the legacy of Kulturkampf. A third argument is representation-reinforcing:<sup>13</sup> By invalidating local rules protecting openly gay people against job discrimination, the Colorado initiative impaired the ability...

...by the Framers and most famously defended in Madison's *Federalist* No. 10. That paper rejected direct democracy as a basis for lawmaking, because it gave freer rein to "factions," which...  
...their common good."<sup>19</sup>

Madison was pessimistic that the nation could avoid the problem by eliminating the causes of factions; the best a nation can do is to ameliorate their effects...the straight bookstore is free to discriminate against the gay applicant. The amendment did not eliminate sexual orientation as an enforcement category. By carving gays and lesbians out from its protection...

...his argument that the rule of law required the Court to uphold Amendment 2, Justice Scalia relied on two precedents of the Court: ...v. Hardwick. The first has been thoroughly overruled by the Supreme Court.<sup>34</sup> Its complete rejection reflects a principle at the heart of judicial review's protection against Hamilton's "unjust and partial laws": The independent judiciary should be the guardian against Kulturkampf, the phenomenon Justice Scalia, probably mistakenly, invoked in his dissent. To the extent that history's rejection of Beason reflects a robust principle that Kulturkampf is constitutionally questionable, *Bowers v. Hardwick*—the ...

...Supreme Court decision in my lifetime—should be overruled as well. Beason and *Bowers* are invalid precedents pursuant to the same constitutional meta-principle, that the judiciary should resist state Kulturkampf. The rule-of-law invalidity of those precedents provides constitutional doctrinal support for the Court's disposition in *Romer*.

A...

...45

Except among Mormon fundamentalists, much of the above was largely forgotten history until Justice Scalia reminded us of this Kulturkampf in *Romer*. Justice Scalia maintained that some of the Beason decision remains substantially good law, a point that the Court barely quibbled with.<sup>46</sup> In light of the context of the decision, Justice Scalia understated the Court's repudiation of the Beason precedent. As he conceded, the Court's...

...state can criminally punish mere advocacy of polygamy. There are other dimensions of Beason's invalidity, however. The cases recognizing a fundamental right to vote would probably require a different result...and solicitation of oral sex.<sup>58</sup> Justice Donnelly, who authored the decision, felt constrained to reject the federal constitutional claims on the basis of *Bowers* but responded to the dissenting justices...

...Justice Bowers majority, co-authored the joint opinion in *Planned Parenthood v. Casey*,<sup>69</sup> which rejected Bowers's originalist methodology for figuring the contours of the liberty protected by the Due...s rule and its reasoning.

#### C. A Constitutional Presumption Against Kulturkampf

Beason is clearly an invalid precedent, and *Bowers* probably so. That these were the only cases Justice Scalia deployed to flail the Court for departing from precedent strengthens Justice Kennedy's claim that...the antidemocratic effect of impairing the ability of gays to mobilize politically. This inverts Justice Scalia's accusation that the Court's opinion in *Romer* is simply antidemocratic and provides a...

...obligation to correct some of the damage through nondiscrimination laws. Hence Amendment 2 is properly invalid because it seeks to return state policy to one of antidemocratic closetry.

The foregoing analysis...IV's assurance of a republican form of government empowers judges to demand more than plausibility when initiatives target an out-group such as gay people.<sup>105</sup>

These principles also justify...

...Rightness, 95 Mich. L. Rev. 203 (1996); Daniel Farber and Suzanna Sherry, The Pariah Principle, 13 Const.

Footnote:

Commentary 257 (1996); Jane S. Schacter, Romer v. Evans and Democracy's Domain...

...Romer's Radicalism: The Unexpected Revival of Warren Court Activism 1996 S. Ct. Rev. 67.

13 . See generally John Hart Ely, Democracy and Distrust: A Theory of Judicial Review (Harvard U...L. No. 98-213, 16(a),(b),(g)-(u), 97 Stat. 1462, 1463 (1983). 39. Quoted in Merlo J. Pusey, Builders of the Kingdom: George A. Smith, John Henry Smith, George...

...at 177-218.

46. Compare Romer, 116 S. Ct. at 1635-36 and n.3 (Scalia, J., dissenting) (stating that the criminalization of polygamy and the denial of convicted polygamists the...

...regulation may not intrude on the private realm of the family). Five justices voted to invalidate a regulation making it a civil violation for unmarried people to live together, four justices...author of the joint opinion in Casey, concurred in the opinion in Michael H., specifically rejecting Scalia's vision of the Due Process Clause. Id. at 132 (O'Connor, J., concurring...

...the United Kingdom had already decriminalized same-sex intimacy. The Court in Norris v. Ireland, 13 Eur. Hum. Rts. Rep. 186 (Eur. Ct. Hum. Rts. 1991), applied Dudgeon to require an...sibling to my rule against Kulturkampf) from unstated assumptions of our constitutionalism. Farber and Sherry, 13 Const. Commentary at 269-70 (cited in note 12) (noting the broad principle expressed by...

...Hofstra L. Rev. - (forthcoming 1997).

94. On the eve of Stonewall, Chief Judge Bazelon rejected the Commission's compromise in Norton v. Macy, 417 F.2d 1161, 1168 (D.C... today's Court even if reconsidered.

Footnote:

105. Ely, Democracy and /distrust (cites in note 13 ); Linde, 72 Or. L. Rev. at 19 (cited in note 29).

Author Affiliation:

William N...

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17/K/59 (Item 59 from file: 15)

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**Solving the Batson paradox: Harmless error, jury representation, and the Sixth Amendment**

Muller, Eric L

Yale Law Journal v106n1 pp: 93-150

Oct 1996

ISSN: 0044-0094 Journal Code: YLJ

Word Count: 34834

**Text:**

...violation where there actually was one?12 What is the appropriate remedy on direct appeal? 13

In keeping with its view that Batson error is serious business, the Supreme Court has...

...about the evils of discrimination in the exercise of peremptory challenges, the Court has firmly rejected the idea that a juror's race or gender has any bearing on how that...inclusion of women in the venires from which grand and petit juries were selected. While rejecting the simplistic notion that men and women act predictably as rigid classes,32 the Court...

...struck down Louisiana's "opt-in" system for women.38 The Court endorsed Ballard's rejection of the "view that an allmale panel drawn from various groups in the community would...no harm by the exclusion of blacks from his grand and petit juries. The Court rejected this argument.43 Writing for himself and two other Justices, Justice Marshall concluded that the... performance as a matter of fact. The Court's proposition about "unrelatedness" was, however, a quote from Justice Frankfurter's dissenting opinion in Thiel v. Southern Pacific Co.52 In that...State for "offer[ing] virtually no support for the conclusion that gender alone is an accurate predictor of juror's [sic] attitudes,"63 but suggested that such a stereotype would be...

...Thus, in cases forbidding discriminatory peremptory strikes, the Court has, with increasing firmness and stridency, rejected the very theory of difference that it had embraced for many years in its earlier...

...In Batson itself, Chief Justice Burger warmly embraced the theory in his dissenting opinion. He quoted Professor Barbara Babcock for the proposition that "'[c]ommon human experience, common sense, psychosociological studies...

...or victim is black, so in the ways that black and white jurors assess the credibility of police testimony,80 in the ways that black and white jurors react to black reject jury verdicts as reliable resolutions of important moral questions.

III. HARMLESS ERROR, RELIABILITY, AND THE...

...undermine the truthfinding function do they merit reversal on appeal. Chapman itself did not singlehandedly eliminate all values other than reliability from protection through appellate reversal. Indeed, the Chapman Court made...a rule of per se reversal.

However, Fulminante offers no protection to values other than accurate fact-finding. Chief Justice Rehnquist made clear that the handful of "structural" constitutional errors continue...

...is it instead an empirical reliability, under which a "reliable" verdict is a verdict that accurately describes the historical fact of whether the defendant actually committed the crime?

It is the...

...importantly, the change in the law that Fulminante worked shows clearly that the Court was rejecting a process-based understanding of reliability for an empiricist understanding. If a reliable conviction were...

...Fulminante Court; they merit concern only when their distortion causes a parallel distortion of the accuracy of the jury's reconstruction of real-world events. As Tom Stacy and Kim Dayton...establishes what the language of the opinion intimates: A "reliable" verdict is a verdict that accurately describes the historical truth about the defendant's involvement in, and responsibility for, the crime...

...s habeas cases "have moved in the direction of reaffirming the relevance of the likely accuracy of convictions in determining the available scope of habeas review."<sup>136</sup> For example, as the...

...Court allowed an exception for only "those new procedures without which the likelihood of an accurate conviction is seriously diminished."<sup>14</sup> The plurality made plain that the "accurate conviction" it was seeking to ensure was the accurate conviction of the factually guilty: The purpose of allowing federal courts to announce new rules...

...habeas corpus cases.<sup>143</sup> That statement is nothing short of an "exaltation"<sup>144</sup> of factual accuracy.<sup>145</sup>

Fulminante represents the crowning victory in a battle to restrict appellate remedies for error...Why has the Court been so reluctant to describe the fair trial impact of Batson error? The reason is simple: The Batson cases themselves say that there is no such impact. As explained above,<sup>90</sup> the Court in Batson and its progeny has continually and stridently rejected the theory of difference—the theory that an attorney might rationally infer something about a...

...juror is presumptively as fair and impartial as the one who was excused. As Justice Scalia objected in his dissent in J.E.B., this approach views jurors as "fungible."<sup>192</sup>...

...jury or on the quality of the jury's deliberations. In all important ways, Batson error leaves the jury unchanged.<sup>193</sup>

Fulminante's concept of "structural error," moreover, is of no...

...reliability of verdicts we cannot measure from a cold record but can simply presume. By rejecting the theory of difference, Batson forecloses exactly that presumption.<sup>196</sup> Having defined away the only...

...ones. While the public might believe that jury discrimination makes verdicts unreliable, the Court's rejection of the theory of difference in the Batson line of cases means that Batson's...cured any equal protection error at the grand jury stage. In both instances, the Court rejected the State's harmless error argument.

The Court's rationale shifted tellingly in the years...

...Justice Marshall labored mightily to produce a reason why grand jury

discrimination might affect the accuracy of a subsequent conviction, but the strain is obvious. In fact, it is not even...supplying this second step of the analysis. From the start, they have embraced rather than rejected the theory of difference: They have acknowledged that it is at least minimally rational for...

...also maintained that such strikes, when exercised adversarially by both parties, are useful tools for eliminating the extremes of bias from both ideological ends of the jury, thereby enhancing the Sixth...

...of course, precisely the Sixth Amendment argument that a bare majority of the Court would reject on its merits a year later in *Holland v. Illinois*.<sup>228</sup> The *Teague* plurality<sup>229</sup> did...

...new rule that the habeas petitioner seeks is one "without which the likelihood of an accurate conviction is seriously diminished."<sup>231</sup> But the plurality simply did not see the petitioner's...failure to follow such a rule would not "seriously diminish the likelihood of obtaining an accurate conviction."<sup>232</sup> As in *Allen v. Hardy*, a group of Justices including *Batson's* most...

...apparent unwillingness to honor their commitment to the theory of difference surfaced again in Justice *Scalia's* dissent in *J.E.*<sup>233</sup> There, the State used nine of its ten peremptory...

...that the jury actually seated to hear the paternity suit was all female.<sup>234</sup> Justice *Scalia*, joined by Chief Justice *Rehnquist* and Justice *Thomas*, dissented from the Court's decision to...

...hommes et les femmes,"<sup>236</sup> he pointed out that a consequence of the majority's rejection of the theory of difference was to make all jurors "fungible," and thereby to eliminate any chance that a litigant might suffer harm from *Batson* error.<sup>237</sup> He continued his thrust: "Not only has petitioner, by implication of the Court's...

...harm, but the scientific evidence presented at trial established petitioner's paternity with 99.92% accuracy."<sup>238</sup> This meant for Justice *Scalia* that "[i]nsofar as [the defendant] is concerned, this is a case of harmless error if there ever was one."<sup>239</sup>

It is important to recognize that in this passage of the opinion, Justice *Scalia* was not arguing his own views of the harms of discriminatory peremptory challenges. In Justice *Scalia's* view, it should be unnecessary even to address the question of whether the discriminatory exercise of peremptory challenges could ever be harmless error. For him, such challenges are not "error" of any kind. They are instead legitimate tools that assist in seating an impartial jury...

...assuming, for the sake of argument, the *J.E.B.* majority's premise that *Batson* error is in fact error, and was trying to refute it on its own terms. Any *Batson* error in this case, he claimed, was necessarily harmless because first, in the majority's view...

...revealing one, for it seems precluded by a commitment to the theory of difference. Justice *Scalia* does not think that jurors are fungible. For Justice *Scalia*, it is an "undeniable reality . . . that all groups tend to have particular sympathies and hostilities."<sup>241</sup> He therefore should not be able to assume that *Batson* error is indeed error, as he does in this passage from his *J.E.B.* dissent, and simultaneously point to the weight of the evidence as proof that such an error is harmless. If it is in fact error for an attorney to strike a juror from the jury panel on account of race...

...gender, and if that juror's race or gender suggests a distinctive perspective, then that error must be structural.<sup>242</sup> Even if the paternity test were one hundred percent accurate, that would not matter. The conviction should still be reversed. This should have been apparent to Justice Scalia, in light of the "vive la difference!" tone of his J.E.B. dissent. Yet Justice Scalia, and the Batson opponents for whom he wrote, seemed eager to conclude that Batson error—even assuming that it was in fact error—could nonetheless be harmless to the reliability of the verdict.<sup>243</sup>

#### VI. BUILDING A BETTER...

...Equal Protection Clause for the task of regulating the fairness of criminal trials and the accuracy of jury verdicts, when there are a number of other protections in the Bill of...s 1990 opinion in *Holland v. Illinois*.<sup>250</sup> There a bare majority of the Court rejected the notion that discriminatory peremptory challenges might harm the reliability of verdicts; the Court maintained...in an opinion written by Justice Scalia, perhaps the most vocal of Batson's opponents—rejected the defendant's claim.<sup>275</sup> The Court gave two reasons for its decision, one doctrinal... adopted in its jury size and jury unanimity cases.<sup>295</sup> The Court was wrong to reject this more practical negative definition of the Sixth Amendment's requirement of community representation.<sup>296</sup>...representation to groups it deems "distinctive" within the community.<sup>318</sup> The Court has quite sensibly rejected the claim that "groups defined solely in terms of shared attitudes that would prevent or...It is the Justices who do not seem to want to reverse convictions for Batson error .. who provide the most compelling reason for doing so. If, as Justice Scalia asserts, jurors are not fungible, then their dismissal on account of race or gender must...

...the criminal jury guaranteed by the Sixth Amendment. It is, moreover, classic Fulminante-style "structural error": error with imperceptible yet detrimental effect on the verdict.<sup>326</sup>

In order to reach the conclusion...

...1769 (1995) (per curiam) (holding that race-neutral explanation need not be persuasive, or even plausible, to advance Batson analysis to ultimate question of purposeful discrimination).  
Footnote:

7. 380 U.S....

...writ of habeas corpus. See, e.g., *Herrera v. Collins*, 506 U.S. 390 (1993) (rejecting claim of actual innocence based on newly discovered evidence as ground for federal habeas relief...selection anew is insufficiently punitive. See Charles J. Ogletree, Just Say No!: A Proposal to Eliminate Racially Discriminatory Uses of Peremptory Challenges, 31 AM. CRIM. L. REV. 1099, 1116 (1994). On...

...issue is distinct from the one I address in this Article, see *infra* note 294. 13. In this Article, I address only the question of the appropriate remedy for Batson error...505–07. Chief Justice Burger and Justices Blackmun and Rehnquist dissented. See *id.* at 507–13. While the case produced no majority or plurality opinion, only three of the Justices explicitly...

...56. *Id.* at 631. 57. *Id.*

58. I am not suggesting that the Court's rejection of the theory of difference was its only, or even its primary, reason for holding...



...1946), see supra text accompanying notes 30-34, which the J.E.B. Court itself quoted extensively and approvingly. See J.E.B., 114 S. Ct. at 1424. The J.E...of such "proxies" by both the State and the defendant may be extremely useful in eliminating from the jury persons who

Footnote:

might be biased in one way or another. Id...the most important of all, since it is the public that must ultimately accept or reject criminal verdicts as reliable pronouncements on basic moral questions. See Akhil Reed Amar, Sixth Amendment...

...24-26. 104. The Chapman Court noted:

At the time of the trial, Art. 1, 13 of the State's Constitution provided that 'in any criminal case, whether the defendant testifies...

...considered by the court or the jury.' Id. at 19 (quoting CAL. CONST. art. I, 13 ).

Footnote:

105. See Griffin v. California, 380 U.S. 609, 613-15 (1965). The Fifth... also King, supra note 79, at 116 (noting that "the goal of ensuring the factual accuracy and reliability of criminal convictions and sentences . . . has become the driving force behind much of...

...the need to reorient the criminal justice system toward a model designed primarily to achieve accurate factual determinations of guilt or innocence in individual cases").

114. Fulminante, 499 U.S. at...

...have been coerced, but the admission of that confession was held not to be harmless error . A majority of the Court (Justices White, Marshall, Blackmun, Stevens, and Scalia ) held that Fulminante's confession was coerced. See id. at 287. A different majority (Chief Justice Rehnquist and Justices O'Connor, Scalia , Kennedy, and Souter) held that notwithstanding contrary language in Chapman, the admission of coerced confessions should be subjected to harmless error analysis. See id. at 306-12; id. at 313-14 (Kennedy, J., concurring in judgment...errors. Rather, the Sullivan Court held that the trial court's failure to give an accurate instruction on proof beyond a reasonable doubt deprived the defendant of a "jury" within the...Stevens, J., dissenting). 145. I do not mean to suggest that concerns for the factual accuracy of criminal verdicts have driven each and every one of the Burger and Rehnquist Courts' habeas opinions. Notably, the Court has declined several significant invitations to eliminate habeas review for claims not directly impugning the factual accuracy of verdicts. See, e.g., Withrow v. Williams, 507 U.S. 680 (1993) (allowing habeas... the habeas area for the last two decades has been animated by concerns for factual accuracy . See supra note 134. Indeed, I argue in this Article that the Court's heightened concern for factual accuracy , especially in recent years, has likely undermined the reasoning in Mitchell. See infra notes 200 representation accurately corresponds to the objective, empirical nature of the thing observed. See Cammack, supra note 29...

...States v. Thompson, 827 F.2d 1254 (9th Cir. 1987), the court, citing Hillery, explicitly rejected the government's argument that Batson error can be harmless. See id. at 1261. Other...Part of the Court's inquiry was whether Batson had been "'designed to enhance the accuracy of criminal trials.'" Id. at 259 (quoting Solem v. Stumes, 465 U.S. 638, 643...

...J.E.B. v. Alabama ex rel. T.B., 114 S. Ct. 1419, 1437 (1991) ( Scalia , J., dissenting). 193. I should make clear here that I am not arguing that this conclusion about the fair trial harm of Batson error is correct. In fact, I make the opposite claim in Part VI. I am arguing here only that this counterintuitive conclusion about the fair trial harm of Batson error flows from the Batson Court's premises, taken together with the Fulminante approach to appellate...

...F.2d 1254, 1261 (9th Cir. 1987); Batiste v. State, 888 S.W.2d 9, 13 -14 (Tex. Crim. App. 1994); Herman, supra note 15, at 1831 n.98. 200. 443... that age, race, and occupation as "'proxy' for potential juror partiality" can be useful for eliminating biased jurors).

Footnote:

222. Justice O'Connor was also in the Allen majority. She, however...

...dissenting). 241. Powers, 499 U.S. at 424 (Scalia, J., dissenting).

Footnote:

242. Such an error could not conceivably be labelled trial error and then subjected to harmless error analysis. In Sullivan v Louisiana, 508 U.S. 275 (1993), a constitutionally defective instruction on...

...jury" of the sort guaranteed by the Sixth Amendment. See id. at 276-78. Justice Scalia , writing for a unanimous Court, easily brushed aside the State's claim that the denial...

...right to a jury that met the Sixth Amendment's standards was amenable to harmless error analysis. See id. at 278-81. He did so in the face of strong evidence...

...after crime), rev'd sub nom. Sullivan v. Louisiana, 508 U.S. 275 (1993). Justice Scalia insisted that it was senseless to inquire whether a real "jury" of the kind guaranteed...

...instruction. See Sullivan, 113 S. Ct. at 279-80. It stands to reason that harmless error review would be equally inappropriate in other circumstances where a defendant is denied the "jury...exercise of peremptory challenges. See, e.g., Marder, supra note 79, at 1132-34 (proposing elimination of all peremptory challenges in order to vindicate Sixth Amendment's requirement of "impartial" jury...

...Amendment Doctrine, Images, and Procedures, 64 N.C. L. REV. SOI, 541-63 (1986) (proposing elimination of prosecutor's peremptory challenges to produce jury that satisfies Sixth Amendment's impartiality, community...of Batson to sex).

Chief Justice Rehnquist wrote the opinion in Fulminante that expanded harmless error doctrine to coerced confessions, and was joined by (among others) Justice Scalia . See Fulminante, 499 U.S. at 281. Justice Thomas was not on the Court at...

...as the central value in the criminal process. As Justice Thomas seems to share Justice Scalia 's and Chief Justice Rehnquist's voting patterns, particularly in criminal cases, it seems fair...

...well. See Christopher E. Smith, The Constitution and Criminal Punishment: The Emerging Visions of Justices Scalia and Thomas, 43 DRAKE L. REV. 593 (1995); Richard G. Wilkins et al., Supreme Court...precipitated unrest in Los Angeles following first Rodney King verdict).

259. Here Batson's opponents reject the empiricism of Batson's proponents and reveal strong contextualist leanings. See supra notes 66...

...History of Criminal Jury in the United States, 61 U. CHI. L. REV. 867, 912-13 (1994); Scott W. Howe, Jury Fact-Finding in Criminal Cases: Constitutional Limits on Factual Disagreements...v. Dowd, 366 U.S. 717, 723 (1961); see McCree, 476 U.S. at 174 (rejecting claim that Witherspoon excludables are distinctive group within community for Sixth Amendment purposes).

Footnote:

Where...

...unworthy of belief, that juror would properly be excludable for cause, even if his views accurately reflected those of some segment of the black community. On the other hand, if an...

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**Dialog eLink:**

**DSPTC Full Text Retrieval Options**

17/K/60 (Item 60 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01322294 99-71690

**The location of U.S. currency: How much is abroad?**

Porter, Richard D; Judson, Ruth A

Federal Reserve Bulletin v82n10 pp: 883-903

Oct 1996

**ISSN:** 0014-9209 **Journal Code:** FRS

**Word Count:** 12683

**Text:**

...product of these two figures, would be more than \$10 billion per year. Knowing more accurately the amount of seigniorage derived from externally circulating currency would assist policymakers in deciding how...

...summary measure, the "median flow estimate," based on several methods for which we have sufficient time - series data. We show that although year-to-year changes in domestic holdings have been relatively...to improbably large net inflows.<sup>8</sup> At least four factors indicate that CMIRs are neither accurate nor thorough measures of large cash shipments that take place outside the banking sector.

First...system for CMIRs was designed with the purpose of identifying individual transactions, not of developing accurate aggregate statistics on currency flows. In sum, CMIRs are an important source of data, but they probably do not provide accurate aggregate data because of a onesided data collection process and the omission of some potentially...

...more rapidly than consumption in nominal terms and in real per capita terms (table 3).<sup>13</sup> Yet as the survey data show, the 1990s have been a

period of declining use...Missing-Again," Durell

Journal of Money and Banking, vol. 6 (Winter 1994-95), pp. 6- 13 . Richard D. Porter, "Estimates of Foreign Holdings of U.S.

Currency-An Approach Based on...could not have been more than 30 percent of one note in the 1995 survey.

13 . Currency in circulation is defined as currency, including coin, held outside of the Federal Reserve...anonymous ftp from ftp://nber.harvard.edu.

Footnote:

42. Using a Chow test, we solidly reject the hypothesis that the corresponding slope coefficients in the velocity specifications are equal in the...money market deposit accounts,

Appendix:

savings accounts, and money market mutual fund accounts.<sup>37</sup> The scale measure is the change in nominal consumption expenditures (excluding those on automobiles, which are generally...

...levels (together with lagged stocks to cover distributed lag effects) require accounting for the measurement error in the level of currency abroad.<sup>38</sup>

Each of the estimates has the correct sign...

...from the seven estimation methods and hence can be thought of as a result of discarding the three highest and three lowest estimates of net flows abroad; in that light, variations...

...highest observations are excluded; and for the narrowest, the two lowest and two highest are discarded . These ranges may be useful if one wants to represent some

Appendix:

of the uncertainty...

---

**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/61 (Item 61 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01318293 99-67689

**The effects of cross-sectional scale differences on regression results in empirical accounting research**

Barth, Mary E; Kallapur, Sanjay

Contemporary Accounting Research v13n2 pp: 527-567

Fall 1996

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**Word Count: 15195**

### **Abstract:**

A study investigates coefficient bias and heteroscedasticity resulting from scale differences in accounting levels-based research designs analytically and using simulations based on accounting data. Findings indicate that including a scale proxy as an independent variable is more effective than deflation at mitigating coefficient bias, even if the proxy is 95% correlated with the true scale factor. In fact, deflation can worsen coefficient bias. Also, deflation often does not noticeably reduce heteroscedasticity and can decrease estimation efficiency. White (1980) standard errors are close to the true ones in regressions using undeflated variables. Replications of specifications in 3 recent accounting studies confirm the simulation findings. The findings suggest that when scale differences are of concern, accounting researchers should include a scale proxy as an independent variable and report inferences based on White standard errors.

### **Text:**

#### **Headnote:**

Abstract. This study investigates coefficient bias and heteroscedasticity resulting from scale differences in accounting levels-based research designs analytically and using simulations based on accounting data. Findings indicate that including a scale proxy as an independent variable is more effective than deflation at mitigating coefficient bias, even if the proxy is 95 percent correlated with the true scale factor. In fact, deflation can worsen coefficient bias. Also, deflation often does not noticeably reduce heteroscedasticity and can decrease estimation efficiency. White (1980) standard errors are close to the true ones in regressions using undeflated variables. Replications of specifications in three recent accounting studies confirm the simulation findings. The findings suggest that when scale differences are of concern, accounting researchers should include a scale proxy as an independent variable and report inferences based on White standard errors .

The Effects of Cross-Sectional Scale Differences on Regression Results in Empirical Accounting Research\*

#### **Resume...**

...Landsman 1992, 1996; among others).<sup>1</sup> Two econometric issues in such studies are cross-sectional scale differences among sample firms that can result in biased coefficient estimates and heteroscedastic regression errors that can cause biased standard error estimates and estimation inefficiency. Scale differences arise because large (small) firms have large (small) values of many variables. These differences can result in heteroscedastic regression error variances and, if the magnitude differences are unrelated to the research question, scale-related coefficient bias. We focus on scale not because it is the only cross-sectional estimation issue, but because it is a pervasive and potentially important one.

We seek to provide evidence on the extent of scale-related econometric problems in accounting research contexts and the effectiveness of available remedies. We consider three primary available remedies for scale-related problems: deflating regression variables by a scale proxy, including a

scale proxy as an independent variable, and using White (1980) heteroscedasticity-consistent standard error estimates. The econometrics literature provides theoretical guidance on the scale-related problems we investigate, but the guidance often is based on theoretical distributions and asymptotic...

...empirical financial accounting research. Although our analytical development is general, our selection of accounting and scale variables is motivated by regressions of, for example, market value of equity on net income...

...permit us to identify factors that cause bias, (2) develop expressions for heteroscedasticity-related standard error bias based on moments of the scale factor's distribution, permitting us to estimate the bias from observed variables, and (3) investigate the small sample properties of White (1980) standard error estimates and test for heteroscedasticity. To illustrate our simulation findings, we use three recent accounting...by scale.

Regarding heteroscedasticity, our simulations indicate that in specifications using undeflated variables, true standard errors can be five times as large as ordinary least squares (OLS) estimated standard errors, indicating severe standard error bias. However, White (1980) standard errors are close to the true ones, regardless of whether the errors are heteroscedastic. This finding is important because Chesher and Jewitt (1987) show that White standard errors can be biased in small samples, but there is little evidence on their finite sample accuracy. Moreover, the finding suggests that reporting White standard errors estimated from undeflated regressions is appropriate regardless of whether the regression error variances are heteroscedastic. A priori, it is not obvious that White standard errors are accurate in finite samples with homoscedastic errors because their calculation depends on estimated residuals rather than the identity matrix. We also find...

...up to 300 percent—even when the deflator is 95 percent correlated with the true scale factor.

In summary, our findings suggest that including a scale proxy as an independent variable and reporting inferences based on White standard errors is more effective than deflation as a remedy for econometric problems related to scale differences across firms. Also, our findings indicate that deflation has unpredictable effects on coefficient bias... note that even if one includes  $S_i$  in equation 3 and suppresses the intercept, the error term,  $e_j = S_i e_{sub i}$ , is heteroscedastic because  $e$  is assumed to be homoscedastic.<sup>7</sup> Thus, scale-related coefficient bias and heteroscedasticity easily can coexist, and often do.

If one assumes the...

...and vice versa. Note also that because  $X$  is unobservable, it is not possible to eliminate the bias simply by mean-differencing the independent variable so that  $X$  equals zero.

Equation...our descriptive statistics and simulation findings on four samples derived from 1990 COMPUSTAT data after deleting firms with net income or book value of equity less than 0.01: (1) all...

...to the extent the partitioning scheme is noisy because the true scale factor is unknown. Elimination of the middle 10 or 20 percent of the observations can mitigate noise effects.  
To...

...Barth (1994) for illustrating the diagnostic, we partition Barth's 1989

sample based on a scale proxy, book value of equity for the investment securities regressions, and net income for the securities gains and losses regressions. Regression summary statistics reported in Table 2 indicate that scale potentially is an omitted variable for both regressions—the intercepts for the two size groups statistically differ at less than the 0.02 level using White standard errors. We confirm this by estimating equations using a scale proxy as a deflator and as an independent variable.

Evidence on using a scale proxy to mitigate coefficient bias

This section presents evidence on whether deflation by a scale proxy or its inclusion as an independent variable results in less coefficient bias. Our findings...

...common deflators might not mitigate coefficient bias because they are insufficiently highly correlated with true scale factors. We use simulations to investigate coefficient estimates and their true and estimated standard errors when the deflator, or scale proxy, and the true scale factor are highly correlated.  
(Table Omitted)

Captioned as: TABLE 2

Table 3 presents findings for...

...proxy at mitigating it; as equation 2 indicates, model 5 should have no coefficient bias. 13

Because including scale as an independent variable addresses only coefficient bias, models 4 and 5 have heteroscedastic errors. Section four indicates that deflating all regression variables including the intercept is a remedy for...

...7, which are deflated versions of models 5 and 4, to investigate deflation by a scale proxy as a remedy for heteroscedasticity in these models. In section four, we explore deflation...

...are statistically significant indicating coefficient bias. Heteroscedasticity in model 2 also causes estimated coefficient standard error to be less than the true one, 0.213 versus 0.809, where the estimated true standard error is the standard deviation of estimates of b over the 250 iterations. Surprisingly, coefficient bias in model 3 is worse, and the true standard error is higher than in model 2. This suggests that deflating by a proxy highly correlated with the true scale factor worsens coefficient bias and decreases efficiency.<sup>14</sup> Strikingly, in model 4, where the scale proxy is an independent variable rather than a deflator, coefficient bias is much smaller, 1...

...801. Also as expected, there is no coefficient bias in model 5, where the true scale factor is included as an independent variable, and coefficient estimates in models 4 and 5 have higher standard errors than those in model 1, presumably attributable to heteroscedasticity. These findings suggest including a scale proxy as an independent variable is more effective than deflation as a remedy for scalerelated coefficient bias.

(Table Omitted)

Captioned as: TABLE 3

(Table Omitted)

Captioned as: TABLE 3

In...inferences similar to assuming  $S$  and  $X$  are independent, except that the magnitude of the scale bias, that is, the bias in model 2, is less, 2.951 versus 5.469...

...between  $S$  and  $X$ ; as correlation increases, bias decreases, but all inferences regarding using a scale proxy to mitigate bias are the same as for the two reported correlations. The Table 3 findings are based on assuming the scale proxy,  $S'$ , is 95 percent correlated with the true scale factor,  $S$ . Figure 1, panel A graphs coefficient bias and estimated true coefficient standard error when using the scale proxy as a deflator or an independent variable, models 3 and 4, for simulations similar...

...is proportional to  $S$  because differences in coefficient bias and estimation efficiency between using a scale proxy as a deflator and an independent variable are smaller in that case than when...from model 1, suggesting Sougiannis' R&D findings are unaffected by coefficient bias related to scale or by deflation. However, estimating models 3 and 4 illustrates potential problems with deflation. The...

...is similar to that in model 1, 1.66 versus 1.65, with similar standard errors. Even though Table 1 indicates using TA as a deflator reduces coefficient bias for the true scale factors we assume there, the coefficient on R&D/TA in the deflated regression in...SXI and  $S$  and SX2 and  $S$  are equal, deflated coefficient estimates have lower standard errors than those from models in which the scale proxy is an independent variable. However, including the scale proxy as an independent variable results in less bias than does deflation. Heteroscedasticity occurring without...

... $X + S e$  (or (square root of) $Se$ ), where  $e$  is homoscedastic but the regression error is heteroscedastic. This is the same as the assumed true model in section two, equation 1, except that the error is heteroscedastic. To eliminate scale-related coefficient bias concerns, unlike section two, we assume here that  $Y$  and  $X$  are...

...should be deflated along with all other regression variables.<sup>23</sup>

Most empirical accounting studies citing scale differences across firms as a research design issue are concerned with heteroscedasticity (Miller and Modigliani...

...and Landsman 1992; among others). Both remedies for heteroscedasticity are used often: White (1980) standard errors, which addresses only standard error bias, and deflation, which addresses estimation inefficiency and standard error bias if the scale proxy is "correct." Although Chesher and Jewitt (1987) show that White standard error estimates are biased in small samples, they provide only bounds for the bias. Thus, finite sample properties of White standard error estimates and test for heteroscedasticity in accounting contexts are unexplored. Moreover, the effectiveness of deflating by scale proxies is an open question.

Researchers sometimes cite concern about spurious correlation in connection with using deflators.<sup>24</sup> Deflating by a scale proxy rather than the true scale factor does not induce correlation between regressor and error, and hence does not induce spurious correlation, if the proxy is independent of  $e$ .<sup>25</sup>...

...the effectiveness of heteroscedasticity remedies by presenting simulation evidence on (1) bias in estimated standard errors, that is,



the ratio of estimated to true standard errors in the undeflated model,<sup>26</sup> (2) finite sample properties of White standard errors, that is, ratios of White to true standard errors in the undeflated model and White to true standard errors in the deflated model, (3) efficiency gains from deflating regression variables by the correct, known scale factor to remove heteroscedasticity, that is, ratio of true deflated to true undeflated standard errors, (4) variability of these ratios across samples, and (5) properties of the White test for heteroscedasticity. In the next section, we explore effectiveness of the remedies when the true scale factor is unknown using simulations with five commonly used scale proxies.

The independent variables,  $X$ , are net income before extraordinary items, NI, and book value...assuming normality.

As expected, Table 6 indicates that estimation using variables deflated by the true scale factor, and thus with homoscedastic errors, always yields efficiency gains. Deflated estimates are 4.5 and 5.4 times as efficient...

...and 0.007) indicate that confidence limits for these estimates are quite narrow. White standard errors for the deflated regressions are almost identical to the true deflated standard errors with mean ratios of 0.991 and 0.995. This suggests using White standard errors is appropriate even with homoscedastic errors. Moreover, although one would expect White standard errors to vary considerably from sample to sample because they are based on estimated residuals rather...

...and 0.023). Untabulated findings indicate the ratios' standard deviations remain small even when the error term variance increases and thus the regression  $R^2$  decreases.

(Table Omitted)

Captioned as...

...8 and 94.0 percent of the iterations. But in the 100-firm subsample, the rejection rate is only 57 percent-despite our extreme heteroscedasticity assumption. This indicates that the commonly followed procedure of using White standard errors only if the White  $x^2$  test rejects homoscedasticity can lead to incorrect inferences from biased standard error estimates almost 43 percent (100...

...the time in larger samples. Because we also find that White standard errors are reasonably accurate even with homoscedasticity, this finding reinforces our suggestion that researchers base inferences on White standard errors regardless of whether the White test rejects homoscedasticity. In 8.4 and 10.4 percent of the iterations, test statistics for deflated regressions reject at the five percent significance level the null of homoscedasticity when it is true. Thus...

...proxy

Next we explore effectiveness of deflation as a remedy for heteroscedasticity when the true scale factor is unknown and regression variables are deflated by a scale proxy. Table 7 presents summary statistics from deflated estimation simulations when the error variances are simulated to be proportional to  $X^2$ , where  $X$  = NI or BVE, and several common deflators are scale proxies. We consider as deflators total assets, TA, sales, SALES, share price, PRICE, number of...

...NUMSHR, and either BVE or NI when it does not equal  $X$ . Because simulated

regression errors are independent of the deflators, deflation does not induce spurious correlation.  
(Table Omitted)

Captioned as...

...findings indicate that efficiency gains from deflation in Table 6 are not always achieved when scale proxies are used. The ratio of true deflated to true undeflated standard errors is less than one in only six of the 10 instances. We find that efficiency loss using deflation can be almost 300 percent. In unsimulated estimation settings, true standard errors are unknown and efficiency gain or loss only can be estimated. The Table 6 findings that White standard errors generally are close to the true ones suggest that one method for estimating efficiency gain or loss is to compare White standard errors for the deflated regression with those for the undeflated regression. Table 7 confirms that this provides reasonable approximations to the corresponding ratio of true standard errors except when NUMSHR is the deflator.<sup>30</sup> Using NUMSHR as the deflator results in efficiency losses, even though White standard error estimates indicate efficiency gains and the White test indicates NUMSHR is the deflator most effective...

...closer except when NUMSHR is the deflator. Table 7 also indicates the White test often rejects the null of homoscedasticity for deflated regressions, particularly when TA, SALES, or PRICE is the...  
...is increased. Together with the findings in Table 6, this indicates deflation does not always eliminate heteroscedasticity, at least the form of heteroscedasticity the White test identifies. It identifies only heteroscedasticity although this form of heteroscedasticity has not been eliminated by deflation, other forms have been mitigated and thus estimation efficiency has increased.

Illustrations using...

...panel A indicates that in all undeflated regressions the White (1980)  $X^2$  test rejects at very low significance levels the null of homoscedasticity. However, apparently share deflation does not eliminate heteroscedasticity (models 5 and 6, White  $X^2$  p value = 0.0297 and 0...

...our samples. However, Table 4, panel C reveals that the White  $X^2$  test rejects the null of homoscedasticity in all specifications with p values ranging from 0.0020 to...

...differences often are unrelated to the research question.

We provide evidence on the extent of scale-related econometric problems in accounting research contexts and the effectiveness of available remedies: deflating regression variables by a scale proxy, including a scale proxy as an independent variable, and using White (1980) heteroscedasticity-consistent standard error estimates. Because tractability limits our analytical development to regression models with a single independent variable and to situations in which the scale factor and true independent variable are uncorrelated, we use simulations to relax these restrictions. We...

...empirical financial accounting research. Although our analytical development is general, our selection of accounting and scale variables is motivated by regressions of, for example, market value of equity on net income...

...bias that permit us to identify factors affecting the bias, and for

heteroscedasticity-related standard error bias that permit us to estimate it from observed variables. We model coefficient bias as...

...in the true regression and on the coefficients of variation of the independent variable and scale. Because scale is an omitted variable, coefficient bias can be mitigated by including a scale proxy as an independent variable. However, researchers often deflate regression variables by scale proxies because deflation can mitigate heteroscedasticity as well as coefficient bias. Consequently, we investigate whether deflation by a scale proxy or its inclusion as an independent variable is more effective at reducing coefficient bias. We also provide empirical evidence on properties of White (1980) standard error estimates and test for heteroscedasticity, and efficiency effects of deflation. Our analysis suggests diagnostics and...

...correlated, variables.

Regarding heteroscedasticity, we find the following. (1) In undeflated specifications, OLS-estimated standard errors can severely underestimate the true ones; yet, White (1980) standard errors are close to the true ones regardless of whether errors are heteroscedastic. (2) In deflated specifications using some deflators, notably number of shares, White standard errors also can severely understate the true ones. (3) Deflation by scale proxies does not always eliminate heteroscedasticity as indicated by the White X sup test and can result in efficiency losses...

...Efficiency losses can result even when the deflator is 95 percent correlated with the true scale factor. (4) White's test is effective at identifying heteroscedasticity in our larger samples when mitigate substantially coefficient bias, can result in incorrect inferences, does not always eliminate heteroscedasticity as indicated by the White test, and can decrease estimation efficiency. (2) Findings can...

...our diagnostic for identifying coefficient bias is effective. In summary, our findings suggest that if scale differences are of concealing researchers, the most effective remedy is to include a scale proxy as an independent variable and report inferences based on White standard errors. Deflation has unpredictable effects on coefficient bias, heteroscedasticity, and estimation efficiency. Our findings also suggest...

...less of a concern when estimation equations also include a variable more highly correlated with scale such as net income or total assets.

## Appendix 1

This appendix describes procedures we use...

...all COMPUSTAT firms with non-missing data and non-negative net income for 1989 after eliminating observations with MVE, PRICE, NI, or EPS greater than five standard deviations from their mean...

...when scale differences cause heteroscedasticity but not coefficient bias.

## Example 1

For simplicity, assume the scale factor has two values: large and small. Within each scale group there is no relation between variables Y and X, but both variables are larger...

...group are nearly horizontal, consistent with no relation between Y and

X. However, consistent with scale differences between the groups, the intercepts of the two regression lines differ. Thus, when Y...

...X for both groups combined, the slope coefficient is positive—a biased estimate resulting from scale differences between the two groups. In this example, coefficient bias occurs without true heteroscedasticity because the variables are generated with homoscedastic errors.

#### Example 2

(Graph Omitted)

Captioned as: Figure A1:

Assume a researcher plans to estimate a...

...MVE is market value of equity and NI is the firm's earnings. To introduce scale, think of the above relation as being descriptive of unit firms with scale equal to one, identified by the subscript i, and large firms as mergers...the merger of two unit firms,  $i = 2$  and  $3$ , represent the large firm whose scale equals two. Thus, the equity value of the small firm is  $MVE_s = MVE_{sub\ I}$ ...

... $2a + b(NI_2 + NI_j) + (e_2 + e_3)$ . In the regression equation of MVE on NI, scale is an omitted explanatory variable with values equaling one and two for the small and...

...are equal for all i, the variances of  $e_s$  and  $e_L$  differ, that is, the errors are heteroscedastic.<sup>35</sup>

#### Example 3

To guarantee the absence of coefficient bias assume, consistent with...

...heteroscedasticity. Note that if  $e_{sub\ 2}$  and  $e_{sub\ 3}$  are independent, then the error terms' variances are proportional to the scale factor. If they are perfectly correlated, the variances are proportional to the square of the scale factor. One can think of the independence case as a conglomerate firm and the perfect...

...product firm.

#### Appendix 3

This appendix develops expressions for the ratio of the estimated standard error variance to the true variance as a function of the moments of the scale factor's distribution.

In the standard well-specified regression equation  $Y = a + bX + e$ ...

...true standard errors.

To obtain insight into the factors affecting the magnitude of the standard error bias, we assume that the scale factor, S, is the independent variable, X, because this is an extreme case—correlation between X and S equals one. As indicated in Appendix 2 and section three, scale-related heteroscedasticity likely results in weights proportional to the scale factor, S, or  $S^2$ . It can be shown that when  $w_i$  is proportional to  $X_{sub\ i}^2$  or, equivalently, the error term standard deviations are proportional to  $X_i$ , the ratio of estimated variance to true variance...

...that heteroscedasticity largely is avoided and effects of intertemporally constant omitted variables, including scale, are

eliminated . If scale is intertemporally constant, it also can be eliminated by estimating firm-specific intercepts, with a sufficient number of time - series observations. However, Landsman and Magliolo (1988) show that levels models can dominate returns models, for...  
 ...variables are not homogeneous of degree one in the scale factor, then deflation does not eliminate coefficient bias. Our findings suggest that even if observed variables are homogeneous of degree one...

...correlated with earnings can be a measure of  $X^*$ . They also caution that deflation can eliminate the effect of research interest; here, deflation by sales can eliminate DEPR's correlation with  $X^*$ . Although Landsman and Magliolo's interpretation is possible, our evidence...

...also shows that if the scale factor and its coefficient are intertemporally constant, first-differencing eliminates  $aS$ , permitting an unbiased estimate of  $byx$ . However, first-differencing can reduce variation in  $X$ ...

...iterations, suggesting that our conclusions likely would be unaltered with a larger number of iterations. 13 Including an intercept in models 4 and 5 does not follow directly from equation 2...model 6 they approximate only 39 percent. In general, White standard errors are noticeably less accurate in deflated models. 16 When  $S'$  is included as an independent variable, the plim of...

...1995), 6.55. One possible explanation is that, consistent with table 7, the true standard errors are much larger than those estimated, and Kothari and Zimmerman's sample of 38,890...

...is an additional independent variable in model 5 (2). 19 That coefficient bias attributable to scale is more problematic in the securities gains and losses specifications, models 4-6, than in...

...correlations indicate book value of equity and net income are more highly correlated with the scale proxies, book value of equity, net income, operating revenue, and total assets, than are the...

...and unrealized securities gains and losses. However, correlations between book value of equity and the scale proxies range from 1.87 to 2.42 times those of the difference between fair and book values of investment securities, whereas correlations between net income and the scale proxies are only 1.49 to 1.69 times greater than those of unrealized securities...

...7 to provide some evidence on this question. Model 6 (model 7) includes the true scale factor (a scale proxy) as an independent variable to mitigate coefficient bias and deflates by a scale proxy to mitigate heteroscedasticity. The findings reported there indicate that deflation by a scale proxy is not effective at mitigating heteroscedasticity, except in model 6 when the standard deviation...

...intercept are equivalent. These techniques are potential remedies for heteroscedasticity but are not remedies for scale -related coefficient bias. 24 For example, Miller and Modigliani (1966) reject one deflator, after-tax firm value,  $V-tD$ , as likely to introduce spurious correlation but ...

...regression equation. A regression coefficient is biased only if the regressor is correlated with the error . Miller and Modigliani reject  $V-tD$  because it is the dependent variable and hence correlated with the undeflated error . Christie's (1987) statement that any deflator other than a function of the independent variables potentially introduces specification error suggests the same reasoning. Findings sensitive to

deflator choice suggest potential for spurious correlation (e...

...as heteroscedasticity. 26 We use simulations to assess the ratio of estimated to true standard errors because although the ratios can be estimated using formulas developed in Appendix ...3, their variability cannot. Christie (1987, section four) provides evidence on understatement of reported standard errors by relating time series variation of reported coefficient estimates to mean reported standard errors from successive cross-sectional estimations. He also finds that reported standard errors can severely understate true standard errors. However, his procedure requires several time series observations and assumptions about coefficients' time series properties. Also, Griliches and Hausman (1986) show how exploiting panel data can mitigate effects of omitted variables such as scale. We focus on only one cross-sectional regression and do not explore the Griliches and Hausman techniques because time series properties of estimators are beyond this study's scope. 27 Findings with error variances proportional to X are similar to those reported except, as expected from estimations reported...

...of squared residuals on X and the squared logarithm of X, [Park 1966]) cannot be rejected. 29 For the 100-firm sample, White standard errors are only about 60 percent of true standard errors. The relatively poor performance of White standard errors in this sample largely is attributable to variation in scale within the sample and not to small sample size. Recall that the 100-firm sample...

...simulations on the smallest and largest 100 firms in the 500-firm sample, White standard errors are much closer to true standard errors. In the sample of smallest firms, the mean ratios are 0.925 and 0.972...

...30 For the 100-firm sample, the ratio of White deflated to White undeflated standard errors consistently exceeds the corresponding ratio of true standard errors unless NUMSHR is the deflator, indicating that White standard error ratios generally understate efficiency gains for the smallest sample. 31 We estimate, but do not tabulate, similar equations using total assets as a scale proxy. Its coefficient insignificantly differs from zero in all specifications. 32 We eliminate 32 observations with a noticeable effect on the reported findings. However, findings from eliminating observations greater than three standard deviations from their mean are similar to those reported.

Footnote...

...income). 34 If sample firms each are formed by merging a varying number of firms, scale will have a range of values, not only two. Also, we do not consider situations when the coefficient, b, varies cross-sectionally with scale, for example, if factors such as risk, growth, and tax status affect b, and are linearly related to scale. In such cases, the correctly-specified regression equation is different from the one described above. 35 To see that scale differences among sample observations cause coefficient bias and heteroscedasticity, consider two large firms each comprising...

... $b(Nl \text{ sub } i + Nli+i) + (ei + ei+1)$ ,  $i = 1 \text{ and } 3$ . Each has scale of two. Estimating this regression yields an unbiased estimate of b, and an intercept whose...

...a is of concern only if hypotheses are about the intercept's magnitude. Moreover, the errors are homoscedastic if the  $ei$ 's have equal variance, and the covariance of  $e1$  and...

...will be smaller than that calculated from equation 4. Also, zero

correlation between unit firms' error terms causes the error variances in the regression using observed variables to be proportional to  $S$  rather than  $S^2$ ...

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USPJO Full Text Retrieval Options

17/K/62 (Item 62 from file: 15)

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01317875 99-67271

**Forecast accuracy: Are some business economists consistently better than others?**

Cho, Dong W

Business Economics v31n4 pp: 45-49

Oct 1996

ISSN: 0007-666X Journal Code: BEC

Word Count: 3178

**Forecast accuracy : Are some business economists consistently better than others?**

**Abstract:**

...achieve high ranking s but have accumulated large average forecast errors. The differences in forecast accuracy among the participants are large enough to suggest that forecast users can improve their forecasts...

**Text:**

...achieve high rankings but have accumulated large average forecast errors. The differences in forecast accuracy among the participants are large enough to suggest that forecast users can improve their forecasts...

...survey of economic predictions reported by The Wall Street Journal (WSJ). Studies examining individual forecast accuracy of other economic forecast surveys have previously been reported (e.g., Zarnowitz and Braun, 1993...

...it should be noted that significant value can be obtained from certain individual forecasts if accuracy is the main criterion." (p. 92). Using a different data set, McNees (1992) found similar...

...are not identified, forecast users cannot take advantage of evaluation results even if individual forecast accuracy is widely different.

Compared to confidential forecast surveys, the WSJ survey is more likely to ...

...small number of forecasters accumulated large errors. It appears that

forecast users could improve the accuracy of their forecasts by taking advantage of the predictions of superior forecasters. SHOULD FORECAST PERFORMANCES...

...be safely dismissed as a reason for converging forecast errors for economic forecasting. A more plausible reason may be found in the efficient market hypothesis. If markets are efficient, prices or...

...individual economists have little, if any, information advantage that would make their forecasts consistently more accurate than either the market or other individuals. For financial variables, market efficiency may render individual...

...based on all available information. The prediction process implicit in the hypothesis suggests that forecasting accuracy would vary if forecasters use different information sets or theories. For example, Wall Street economists...

...large forecasting errors as they are rewarded by media attention when their extreme forecasts are accurate. This asymmetry in the implicit reward/penalty system is likely to encourage some participants purposely to make predictions significantly different from the majority. The publicity gained from an accurate forecast tends to be greater when the winner's forecast is significantly different from majority...

...importantly, the decisions of policymakers.<sup>1</sup> Gamesmanship, therefore, can result in different long-run forecasting accuracies among economists. THE CORE PARTICIPANTS Making a statistically reliable comparison of forecast accuracy across individual economists requires a sufficiently long series of individual predications. As Zarnowitz (1974) noted... ninety-six forecasters participated in the survey at least once. However, it was necessary to eliminate recent participants and irregular participants in earlier surveys from the sample because they lacked sufficient...

...FORECASTS AND INDIVIDUAL FORECAST PERFORMANCES A common practice in forecast evaluation is to compare the accuracy of forecasters with benchmark forecasts. Typically, a forecast of no change serves as a "naive ...

...2.01 percent for the growth rate in real GDP. The large differences in forecasting accuracy seem to suggest that survey users can improve their forecasts by combining predictions of a...

...of the test statistic are reported in Table 2.

The hypothesis of random ranks is rejected for the dollar-yen exchange rate. This result is consistent with the result obtained by...

...and Marsh (1994) for exchange rate predictions. The hypothesis that ranks are random cannot be rejected for all other forecast variables. A similar result was reported by Batchelor and Dua (1990)...there is some evidence that a good forecaster in one financial rate tends to make accurate forecasts in another, the results seem to suggest that no forecaster or forecasting method is...

...consistency test, a tentative conclusion at this point is that forecast users can improve forecast accuracy by combining forecasts of superior forecasters rather than relying on consensus forecasts. Selectively combining forecasts...

...conduct surveys of experts. However, the results of such surveys are not in the public domain and may not be subject to an evaluation that reports forecasting errors of individual participants. <sup>2</sup> The Fisher hypothesis



maintains that market interest rates fully reflect expected...

...by Lamont (1995) examined how forecasters' efforts to gain reputation would affect forecast bias and accuracy. Using survey data published in Business Week, Lamont found evidence confirming a systematic difference among...

...are the spot and futures rates (180-day forward rate for the dollar-yen price) quoted on the Friday of the third week prior to the publication of the survey. After the Optimal Consensus Measure?" Journal of Forecasting, Vol. 13 (1994), pp. 313-332.

Reference:

McNees, Stephen K., "The Uses and Abuses of 'Consensus' Forecasts," Journal ...

...and Forecasting, Chicago: The University of Chicago Press, 1993, pp. 84-93.

Zarnowitz, Victor, "How Accurate Have the Forecasts Been in W. F. Butler, R. A. Kavesh, and R. B. Platt...

**Descriptors:**

... Accuracy ;

**Classification Codes:**

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/63 (Item 63 from file: 15)

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01307130 99-56526

**Contextual analysis of performance impacts of outcome-based incentive compensation**

Banker, Rajiv D; Lee, Seok-Young; Potter, Gordon; Srinivasan, Dhinu

Academy of Management Journal v39n4 pp: 920-948

Aug 1996

**ISSN:** 0001-4273 **Journal Code:** AMA

**Word Count:** 11502

**Text:**

...industry. Our research site offered a unique set of experimental and control stores, a long time series of data, and a setting in which the major organizational change was the implementation of...human resources management staffs. We cross-checked these data with aggregate statements to identify and eliminate data entry errors. The company's marketing and sales research group provided results of customer...

...we used three measures of organizational performance. Two assessed short-term performance gains: a monthly time series of data on stores

sales over 77 months and profitability per square foot over 65 months. To measure long-term performance impact, we used a seven-year time series of data on customer satisfaction.

Sales, which we measured as average monthly sales per square...customer satisfaction from 1987 to 1991 also shows considerable variation, ranging between 8.85 and 13.52. What contextual factors moderate this differential impact of the incentive plan on store performance...  
...2 Descriptive Statistics and Correlations"

Figure 1 displays a plot of the average sales residuals (scaled by expected sales) for the experimental and control stores before and after the implementation of the incentive plan. We computed the residuals for each store as prediction errors from the following model:  $SALES_{sub\ i} = \alpha_{sub\ i} + \beta_{sub\ j} AVGSAL_{sub\ j}$ ...

...stores is centered around the 24th month from the end of our study period, when 13 of the 15 experimental stores had implemented the plan. The two graphs reveal no systematic...of the assumptions underlying the regression models and examined possible data problems. Because we used time series information to estimate the effect of the incentive plan, serial correlation may have biased the...

...by Park and Mitchell (1980). This estimator is consistent and performs especially well for short time series and trended data (Doran & Griffiths, 1983). It also reduces the extent to which the autocorrelation...as influential if two or more of the computed metrics exceeded the suggested cutoff values, deleted them from the sample, and reestimated the models. The reestimated parameters did not exhibit any...In this study, we chose the first alternative because we had access to a long time series of data for groups of both experimental and control stores operating in a context that...indicate. When all of the effort of sales managers is focused on supervision, this measure accurately captures the degree of supervisory monitoring. However, as detailed in the section describing the incentive...

...X matrix to estimate the vector of

Footnote:

coefficients. We addressed this issue by first deleting the four intercept terms that contributed most to the collinearity. This deletion allowed us to invert the X matrix, but severe multicollinearity problems reflected in highly inflated...

...152).

Reference:

REFERENCES

Reference:

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Anderson, E. W., Fornell, C., & Lehmann, D. R. 1994. Customer satisfaction, market share, and...Hauser, J. R., Simester, D., c  
Wernerfelt, B. 1994. Customer satisfaction incentives. *Journal of Marketing*, 13 (4): 327-350.

Reference:

Johnston, J. 1972. Econometric methods. New York: McGraw-Hill.

Kahn, L...

...Mitchell, B. M. 1980. Estimating the autocorrelated error model with trended data. Journal of Econometrics, 13 : 185-201.

Pearce, J. L., Stevenson, W. B., & Perry, J. L. 1985. Managerial compensation based on organization performance: A time series analysis of the effects of merit pay. Academy of Management Journal, 28: 261-278.

Peck...A., Rubin, P. A., & Callahan, T. J. 1988, Incentive payment and nonmanagerial productivity: An interrupted time series analysis of magnitude and trend. Organizational Behavior and Human Decision Processes, 42: 47-74.

Wall...

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17/K/64 (Item 64 from file: 15)

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01303420 99-52816

**Information privacy: Measuring individuals' concerns about organizational practices**

Smith, H Jeff; Milberg, Sandra J; Burke, Sandra J

MIS Quarterly v20n2 pp: 167-196

Jun 1996

**ISSN: 0276-7783 Journal Code: MIS**

**Word Count: 11736**

**Text:**

...create a greater personal need for a sense of space and dignity (Erwin Chemerinsky, as quoted in Smith, 1994).

Information privacy-"the ability of the individual to personally control information about...Errors

Many individuals believe that organizations are not taking enough steps to minimize problems from errors in personal data. Although some errors might be deliberate (e.g., a disgruntled employee maliciously falsifying data), most privacy-related concerns involve instead accidental errors in personal data. Early privacy studies detail some procedures for minimizing such errors (HEW, 1973; Westin and Baker, 1972; also see minor references in PPSC, 1977). Later works (Laudon, 1986; Linowes, 1989) document continuing problems in this domain .

Provisions for inspection and correction are often considered as antidotes for problems of erroneous data...

...seem to snowball in spite of such provisions (Smith, 1994). In addition, a reluctance to delete old data-which can clearly become "erroneous"

because of their static nature in a dynamic...

...expert judges, and literature, scale items are trimmed and refined and dimensions may be added, deleted, or modified as understanding of the construct improves.

In Stage 2, the items and the...instrument is "purified" (Churchill, 1979) as researchers find that certain items should again be added, deleted, or modified. Indeed, the researchers may even find that they must modify their understanding of...

...perceived that item would measure. Items that were either inconsistently classified or were misclassified were eliminated or reworded. After this analysis, 32 items remained.

(Table Omitted)

Captioned as: Table 3a. Samples issuer employees. 13 Exploratory factor analysis and interitem reliability (Cronbach's alphas) provided tentative support for the various...

...information systems managers and graduate business students. Based on additional exploratory factor analysis, items were deleted, added, or revised. This process eventually resulted in a 15-item instrument. Four factors emerged...

...of a fourdimension construct provided the best fit to the data as compared to alternative plausible models. To accomplish this, the overall fits of four theoretically plausible alternative models (a unidimensional model, a three-dimensional model, a model with two main factors...some future behavioral intentions that should be associated with levels of concern.

Antecedents: Two theoretically plausible "causal" variables were assessed. It has been suggested that (a) previous personal experiences may impact...second personality trait argued to be positively correlated with concern for information privacy. It is plausible that individuals who are paranoid are also likely to be more concerned about the privacy...

...87, correlation = .37,  $p < .001$  ).

The social criticism scale measures "the degree of acceptance or rejection of the values, norms, and practices of...society" (Jessor and Jessor, 1977). It is proposed that consumers who reject society's values, norms, and practices would also be highly concerned about information privacy. Correlational...that they had difficulty in understanding why it was a privacy concern, per se.

Footnote:

13 The survey was distributed to the employees, who were randomly chosen from the organizations' personnel...3), August 1983, pp. 459-468.

Straub, D. W. "Validating Instruments in MIS Research," MIS Quarterly (13:2), June 1989, pp. 146-169.

Straub, D. W., Jr. and Collins, R. W. "Key...

...Because an a priori hypothesis is tested, CFA has several advantages over traditional methods of scale validation (Bagozzi, 1983). CFA (1) provides explicit measures to assess construct validity and to correct...

...unreliability of measures that can contaminate theoretical relations, (2) represents explicitly the extent of measurement error, and (3) overcomes the fundamental indeterminacy (problem of non-unique solutions) of exploratory factor analysis...

...of relationships occur, it is important to explicitly represent and control for systematic and random errors in measurement. Failure to do so can lead to biased and inconsistent estimates of parameters. Furthermore, most procedures that employ the measurements obtained from scale administrations (e.g., correlations, regression, ANOVA) implicitly assume the absence of random and systematic errors in observations. Yet, when Cote and Buckley (1987) applied CFA techniques to 70 published data sets, they found that measurement error, on average, accounted for 32 percent of total variance. CFA goes beyond traditional validation methods, in that theoretical concepts, non-observational hypotheses, and errors are explicitly assessed.

Appendix:

Furthermore, while oblique or orthogonal exploratory factor analyses are traditionally used...

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17/K/65 (Item 65 from file: 15)

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01253372      99-02768

**Aggressive and predatory pricing: A framework for analysis**

Guiltinan, Joseph P; Gundlach, Gregory T

Journal of Marketing v60n3 pp: 87-102

Jul 1996

**ISSN:** 0022-2429 **Journal Code:** JMK

**Word Count:** 12744

**Text:**

...low (usually below-cost) or unprofitable level in a market in a effort to weaken, eliminate, or block the entry of a rival. While capturing the attention of law and economics...consider such a strategy. Even were the firm to engage in such conduct and successfully eliminate rivals, to be profitable, the predating firm would need to recover losses through raising prices...pricing behavior. Evidence suggests that managers considering risky strategies do not estimate or weigh probabilities accurately, are risk-averse with respect to strategies for gains, and are "risk-affinitive" with ...the likelihood that the small probability of success through predation will likely be overestimated.

The accuracy of managers' conjectures is also the subject of several recent inquiries. Moore and Urbany (1994...

...exit barriers are strong and prolonged by unexpected bankruptcy, price cutting begets more price cutting.

Errors in predicting competitive response or in the consequences of responses have also been found to...  
...makers may overestimate their ability to "diagnose" the information they initially retrieve. Those with greater domain expertise are especially likely to overinflate the value of initial information and reduce their processing...

...However, these models do not account for manager risk taking or for variance in the accuracy of conjectures employed for making decisions. The previous findings suggest that these models could be...

...we accept that managers may apply differing risk propensities as well as be incapable of accurately assessing the potential of recoupment, the basis of requiring such a finding for predation is...

...point out that the recoupment argument does not assume that managers are always capable of accurately assessing the chances for recoupment, only that recoupment is the motive. That managers may err...or output reduction occur (the traditional routes to facilitate recoupment), supracompetitive prices will emerge. But discarding key points of differentiation is much like output reduction; rivals give up their ambitions. The...of their actions. As Dickson (1992, p. 72) argues, "Competitive innovation-imitation depends on the accuracy of a firm's environmental analyses. Little attention has been paid to how marketing decision...high probability of recouping the profits lost from this price action if RJR could be eliminated or rendered less competitive? Did Philip Morris' management do a poor job of conjecturing RJR...Public Policy & Marketing, 14 (Fall), 278-89. Hanssens, Dominique (1980), "Market Response, Competitive Behavior, and Time Series Analysis," Journal of Marketing Research, 17 (November), 470-485. Haynes, William J., Jr. (1988), State...Sheffet, Mary Jane (1994), "The Supreme Court and Predatory Pricing," Journal of Public Policy & Marketing, 13 (Spring), 163-67. Simon, Herbert A. (1979), "Rational Decision-Making In Business Organizations," American Economic...

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17/K/66 (Item 66 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01243235 98-92630

**The application of cluster analysis in strategic management research: An analysis and critique**

Ketchen, David J Jr; Shook, Christopher L

Strategic Management Journal v17n6 pp: 441-458

Jun 1996

ISSN: 0143-2095 Journal Code: SMJ

Word Count: 11577

**Text:**

...This process allows variables to contribute equally to the definition of clusters but may also eliminate meaningful differences among elements

(Edelbrock, 1979). This illustrates a dilemma of using cluster analysis: for experts (Hair et al., 1992; Harrigan, 1985) recommend standardization, perceiving a need to eliminate the potential effects of scale differences among variables. Others offer evidence that standardization has no...

...build a tree-like structure by either adding individual elements to (i.e., agglomerative) or deleting them from (i.e., divisive) clusters. The five most popular agglomerative algorithms are single linkage...

...observations (SAS Institute, 1990) and the solutions it provides tend to be heavily distorted by outliers (i.e., observations with extreme values--Milligan, 1980). Given such tendencies, there should be a...

...centroid method should only be used when (a) data are measured with interval or ratio scales and (b) clusters are expected to be very dissimilar from each other. Likewise, Ward's...  
...observations in each cluster are expected to be approximately equal and (b) there are no outliers .

The use of divisive methods in the social sciences has been limited to the field...for strategy research' (MacMillan, 1991). Of these journals, five with a non-empirical orientation were eliminated , (3) leaving 11 journals as sources of empirical strategy research, including the Academy of Management...approach to select clustering variables. Four studies (9%) took a deductive approach; in six studies ( 13 %), a cognitive approach was evident. In 12 of the 45 studies (27%), variables were standardized...

...coded items are presented in Table 1. (Table 1 omitted)

#### Clustering algorithms

Only six studies ( 13 %) used the preferred approach of hierarchical and nonhierarchical algorithms in tandem. In combination with nonhierarchical ...

...21 studies (47%), one method was used; techniques used were not identified in six studies ( 13 %).

Individual methods were also tallied; change in the agglomeration coefficient (n = 19, 42%) and observing...  
...five studies (11%), while a priori theory guided cluster definition in four studies (9%). In 13 studies (29%), other methods not grounded in the methodological literature were indicated, including, for example...

...three. Further, no validation techniques were cited in 17 studies (38%).

Reliability was addressed in 13 studies (29%); all of these efforts used multiple clustering algorithms and four (9%) also analyzed...To examine specifically how such designs might take shape, we consider the possible value of time series analysis to studies that include clustering. The dominant thrust of research using cluster analysis has...

...linked to performance) but is limited in its ability to address other interesting questions. Specifically, time series analysis could be used to address the cumulative effect of configuration membership on performance over...

...the extent to which the passage of time impacts the configurations-performance relationship (Bergh, 1993). Time series analysis also can be used to explore different lag times between the derivation of configurations...

...an important but unexamined issue (cf. Ketchen et al., 1993). In terms of methodological concerns, time series analysis offers a heightened level of protection from potential statistical problems, most notably the chance...

...a study's design, such protection is highly desirable. Thus, we advocate the incorporation of time series analysis into research on the organizational configurations--performance relationship and, more generally, to any study...3), pp. 207-223.

Daft, R. L. (1985). 'Why I recommend that your manuscript be rejected and what you can do about it'. In L. L. Cummings and P. J. Frost diagnosis', Strategic Management Journal, 4(4), pp. 307-323.

Edelbrock, C. (1979). 'Comparing the accuracy of hierarchical clustering algorithms: The problem of classifying everybody', Multivariate Behavioral Research, 14, pp. 367...K. Roth (1992). 'A taxonomy of business-level strategies in global industries', Strategic Management Journal, 13 (6), pp. 399-418.

Morrison, A. and K. Roth (1993). 'Relating Porter's configuration/coordination...

...orientation and environmental change on senior management reward systems', Strategic Management Journal, Summer Special Issue, 13 , pp. 127-142.

Reger, R. K. and A. S. Huff (1993). 'Strategic groups: A cognitive...

...86.

Whallon, R. W. (1972). 'A new approach to pottery typology', American Antiquity, 37, pp. 13 -33.

Woo, C. Y. Y. and A. C. Cooper (1981). 'Strategies of effective low share ...

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01235608 98-85003

**Rethinking regulatory reform: Toxics, politics, and ethics**

Michaelson, Jay

Yale Law Journal v105n7 pp: 1891-1925

May 1996

**ISSN: 0044-0094 Journal Code: YLJ**

**Word Count: 19387**

**Text:**

...level of risk is tolerable for a given identified substance: whether zero, de minimis, "reasonable," ( 13 ) or some other amount ("risk



determination").(14)

2. Assess what amount/concentration of the substance...is required to make a threshold finding that ... significant risks are present and can be eliminated or lessened by a change in practices.(38)

Absent clear statutory language, then, the zero...Council (NRDC) v. EPA.(44) There, in an opinion by D.C. Circuit Judge Antonin Scalia, the court analyzed and rejected both NRDC's argument for a zero standard for vinyl chloride, citing Benzene ("safe" does...

...to health," without considering cost or technological feasibility.(46) The lottery of science is thus invalid in such contexts.

Of course, the Vinyl Chloride holding allows the use of BAT methods...

...vernacular equivalency with "negligible" ("one in a million chance").(53) Not that "negligible" is truly accurate: If spread over the American population, a 10 sup -6 standard allocates 250 cancers or...

...of the process's uncertainties have been quite strong, and many reforms, including the wholesale elimination of the process, have been proposed.(66)

The uncertainties inherent in risk assessment are indeed...dollar value for life" in two ways. First, practically: In what way can we most accurately set a price for life? Second, ethically: How can we price lives at all? Each...for example, can be worth no more than \$200 per person.

No mess, but little accuracy either." First, it does not seem intuitively apparent that most people would sign off on...years, and it may be more akin to what regulatory reformers had in mind: Just eliminate burdensome regulations, and be "reasonable." Just as we compare rough estimates of cost against rough...system, but the remainder of this Note seeks to find within that system grounds for rejecting the allocation of the life-entitlement to any private actor other than the bearer of...benefit methodology, one must take care to reform what one sets out to reform. If eliminating regulations unjustified by public safety concerns is the goal, then fixing and expediting the process...Limits of Market-Based Approaches to Environmental Protection, 24 ENVTL. L. REP. 10,173 (1994).

13. The Toxic Substances Control Act (TSCA), for example, requires EPA to determine whether a substance...

...See also Gary E. Marchant & Dawn P. Danzeisen, Note, "Acceptable" Risk for Hazardous Air Pollutants, 13 HARV. ENVTL L. REV. 535 (1989); Alon Rosenthal et al., Legislating Acceptable Cancer Risk from...Resources Defense Council v. EPA, 824 F.2d 1146 (D.C. Cir. 1987), which similarly rejected the zero standard, is discussed in the next section.

40. Nor are bans themselves free...

...as any other regulatory option. See Daniel C. Esty, What's the Risk in Risk?, 13 YALE J. ON REG. (forthcoming Spring 1996) (book review) (arguing that "there is no escaping...Chloride). The statute under which the case was litigated was the TSCA, discussed supra note 13.

45. Vinyl Chloride, 824 F.2d at 1153 (quoting Benzene, 448 U.S. at 642...

...sup -6 for hazardous air pollutants); Public Citizen v. Young, 831 F.2d 1108, 1112-13 (D.C. Cir. 1987) (de minimis risk, discussed in terms of 10 sup -6 or less, rejected in Delaney Clause regulations); 55 Fed. Reg. 17,862, 17,873 (1990) (to be codified...

...bring about.

58. ENVIRONMENTAL PROTECTION AGENCY, REDUCING RISK: SETTING PRIORITIES AND STRATEGIES FOR ENVIRONMENTAL PROTECTION 13 -14 (1990) [hereinafter EPA]. EPA's high-risk items are (to the environment) habitat destruction...Reg. 21.402 (1976).

65. EPA has tended to label chemicals as "known human carcinogen." "Probable carcinogen." "possible carcinogen," "unknown." or "not carcinogenic." EPA Guidelines for Carcinogen Risk Assessment, 51 Fed...

...53 (defending use of scientific estimates in setting priorities); Finkel, supra note 72, at 12- 13 (defending existing risk analysis methods and data); Russell & Gruber, supra note 11, at 287 (noting...societies dodge value-laden questions).

82. William Ruckelshaus, Speech to the National Academy of Sciences, quoted in Ris & Preuss, supra note 64, at 2.

83. The term had its genesis in...See supra text accompanying note 93.

138. Exec. Order No. 12,291. 46 Fed. Rep. 13 ,193 (Feb. 19. 1981).

139. 627 E Supp. 566 (D.D.C. 1986).

140. See...Fifth Circuit, striking down an EPA ban on asbestos pipe, noted that "over the next 13 years, we can expect more than a dozen deaths from ingested toothpicks -- a death toll...

...Political Questions Are Not All Economic, 23 ARIZ. L. REV. 1283, 1283 (1981) (recounting popular rejection of risk comparison analysis).

152. See John D. Graham & Jonathan Baert Wiener, Confronting Risk Tradeoffs...t's a difficult case to make empirically." Robert Hahn, economist at American Enterprise Institute, quoted in Davis, supra note 159, at A4.

162. See Michael E. Porter, America's Green...at least invoke the Constitution as caution against such a reallocation.

197. Franklin Delano Roosevelt, quoted in KENNETH S. DAVIS, FDR: INTO THE STORM, 1937-1940, at 230 (1993).

198. Sagoff...

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17/K/68 (Item 68 from file: 15)

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01226463

98-75858

**Impact of salesperson attraction on sales managers' attributions and feedback**

DeCarlo, Thomas E; Leigh, Thomas W  
Journal of Marketing v60n2 pp: 47-66  
Apr 1996  
ISSN: 0022-2429 Journal Code: JMK  
Word Count: 11527  
Text:

...sales manager evaluations concern their perceived appropriateness, fairness, and equity. Salespeople may question, distort, or reject sales manager appraisals and feedback according to their own personal biases and self-evaluations (Jaworski...

...and social attraction exert a strong influence over sales manager attributions and corrective feedback. We quote a Fortune 500 sales manager from our study: I hired three new salespeople. Each had...5 ), and (3) any direct effect of task and social attraction on corrective feedback is eliminated or attenuated when casual attributions are added as explanatory variables in the attraction-feedback model...and items with weak loadings (i.e., .3 or less) on their respective factor were eliminated . Second, dimensionality and discriminant validity were then assessed using confirmatory factor procedures (LISREL 7.16...

...selling skills, 169 (45.8%); salesperson attitude or motivation, 64 (17.3%); salesperson knowledge, 48 ( 13 %); and unique, 26 (7%). The 107 (36%) external CRs include business-related causes, 66 (61...  
...attraction directly affect internal motivation attributions (task:  $F = 111.03$ ,  $p < .01$ ; social:  $F = 12.13$ ,  $p < .01$ ), internal ability attributions (task:  $F = 25.97$ ,  $p < .01$ ; social:  $F = 24.32$ ...motivation and internal ability attributions..The direct effects of task attraction on coercive feedback are eliminated in the mediation model. The direct effects of social attraction are attenuated strongly but remain...

...influence of affect in appraisals is more than perceptual; hence, though methods for improving ratings accuracy may be useful, they do not solve the problem alone. Programs to improve performance appraisals to help pinpoint evaluation errors (Latham and Wexley 1977), training in the use of behaviorally anchored rating scales , use of field notes to provide concrete behavioral indicators (Bernadin and Walter 1977), and development ...

...variety of moderators other than affect may be operative in feedback selection. Salesperson work history, credibility , seniority, and influence with senior managers are examples of potential moderators of the attribution-feedback...Research, 14 (August), 39602. Atkin, Robert S. and Edward J. Conlon (1978), "Behaviorally-Anchored Rating Scales : Some Theoretical Issues," Academy of Management Review, 3 (January), 1 19-28. Anderson, Paul F...

...John and C. S. Walter (1977), "Effects of Rater Training and Diary Keeping on Psychometric Error in Ratings," Journal of Applied Psychology, 62 (February), 669. Bettman, James R., Eric J. Johnson...

...February), II 1-39. Cardy, Robert L. and Gregory H. Dobbins (1986), "Affect and Appraisal Accuracy : Liking as an Integral Dimension in Evaluating Performance," Journal of Applied Psychology, 71 (4), 672...

...Social Psychology, 40 (March), 441-52. Cohen, Jacob (1960), "A Coefficient of Agreement for Nominal Scales ," Educational and Psychological Measurement, 20 (Winter), 37-46. Crocker, Jennifer, Darlene B. Hannah, and Renee...

...A Methodology for Assessing Effects of In-Store Atmospherics," in  
Advances in Consumer Research, Vol. 13, Richard Lutz, ed. Provo, UT:  
Association for Consumer Research, 27-31. Geller, Daniel M. (1978...

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**Dialog eLink:**

**USPJO Full Text Retrieval Options**

17/K/69 (Item 69 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01221586 98-70981

**Determinants of household expenditures on alcohol**

Yen, Steven T; Jensen, Helen H

Journal of Consumer Affairs v30n1 pp: 48-67

Summer 1996

**ISSN:** 0022-0078 **Journal Code:** JCA

**Word Count:** 5085

**Text:**

...literature on alcohol demand systems. Most of the earlier studies have been based on aggregate time series. However, a notable trend among the more recent studies on alcohol consumption and expenditures is...random variables that can take on zero or negative values. In addition, it is not scale-invariant so empirical results may vary with the unit of measurement used. More seriously, the...

...Cox transformation is the IHS transformation. The IHS transformation has been proposed to accommodate nonnormal error terms in traditional regression models (Burbidge, Magee, and Robb 1988; MacKinnon and Magee 1990) and...

...it is a generalization of the double-hurdle model in that nonnormality and heteroscedasticity of errors are accommodated.

(Formula Omitted) 6;0;0q nism presented above may better account for the...

...model in the current paper, we also report briefly the results of a test which rejects the IHS infrequency-of-purchase model.

**MARGINAL EFFECTS OF VARIABLES**

In limited dependent variable models...and compared the results. However, as the infrequency-of-purchase model may also provide a plausible account for the zero observations, a heteroscedastic IHS infrequency-of-purchase model was also estimated...

...the IHS double-hurdle model using a nonnested specification test procedure (Vuong 1989) and was rejected ( $z = -2.05$ , where  $z$  is distributed as  $N(0,1)$ ).s While in the...

...the log-likelihood values of the two models estimated, the LR test result suggests the rejection of the IHS Tobit model ( $\chi^2_{sup} = 121.25$ , d.f. = 16,  $p < .001$ ...

...the probability of consumption by 0.21 percent, the conditional level of expenditures by 0.13 percent, and the unconditional level of expenditures by 0.34 percent. Thus, the effects of...assessment of whether the differences among these elasticities are statistically significant. The Tobit parameterization was rejected but, interestingly, based on the estimates from the two models, some elasticities are very similar...the infrequency-of-purchase model is also used at a cost, by ruling out other plausible causes of zero such as abstention--the major motivation behind all double-hurdle models. In...  
...probability and the consumption-purchase relationship (Pudney 1989, 179-180). Our test result may reflect the rejection of these assumptions, not the idea of infrequency of purchases.

6Results are not strictly comparable...

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17/K/70 (Item 70 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01211341 98-60736

**U.S. federal committees and commissions and the emergence of records management**

Pemberton, J Michael

Records Management Quarterly v30n2 pp: 63-69

Apr 1996

ISSN: 1050-2343 Journal Code: RMQ

Word Count: 5062

**Text:**

...term "records management" was coined in the federal environment in the 1940s, and it is accurate to say that the discipline as a distinct field began to emerge most clearly from...was to examine the business methods and types of work in units within the executive domain to identify and remedy the causes of persistent delays in transacting government business. The committee...

...in preserving proper records of the transactions of the public business or as safeguards against errors, mistakes, or frauds.<sup>8</sup>

This making of records about records was part of the committee...

...on an economical and effective basis in the light of the best modern business practice." <sup>13</sup> As to "paper work," the commission found that far too many personalized letters were written...

...recommendations made to President Taft were:

That the practice of folding correspondence in files be eliminated, with all items, including cards, to be filed flat in vertical files,

That filing systems...

...of records creation (e.g., use of form letters), unnecessary duplication (e.g., forms consolidation/ elimination ), and records maintenance (e.g., vertical files). In other areas, however, few changes were suggested... 1953-55) was clearly of paramount importance.<sup>21</sup> The accomplishments here provided the visibility and credibility that, among other things, gave birth to the occupational category of "records manager" (Records Management ...the 'Management' in Records Management," Records Management Quarterly, 29, iv (October 1995), 68-73. 5. Quoted in Seymour Jacob Pomrenze, "Suggested Readings on Records Management," unpublished course notes, vol. I (Washington, D.C.: the author, c. 1966), p. 3.

6. Quoted in Charles White Bass, "Aspects of Presidential and Congressional Policy Relating to the Management of Federal Records, 1789-1950," unpublished Master's

thesis, George Washington University, 1951, p. 19. 7. Quoted in Pomrenze, pp. 4-5. 8. Quoted in Bass, p. 25. 9. Quoted in Pomrenze, p. 5. 10. Pomrenze, p. 6. 11. Bass, pp. 25-26. 12. Charles H. Keep was an Assistant Secretary of the Treasury. 13. Quoted in Pomrenze, p. 7. 14. See Victor Gondos, Jr., "The Era of the Woodruff File...

...Angel, "Federal Records Management Since the Hoover Commission Report," American Archivist, 16, i (January 1953), 13 -26. 22. Pomrenze, p. 16. 23. Krauskopf, p. 375. 24. For a review of Leahy...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/71 (Item 71 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01198925 98-48320

**Telling the court's story: Justice and journalism at the Supreme Court**

Greenhouse, Linda

Yale Law Journal v105n6 pp: 1537-1561

Apr 1996

**ISSN: 0044-0094 Journal Code: YLJ**

**Word Count: 12741**

**Text:**

The relationship between the fairness and accuracy of political journalism and the health of electoral politics in the United States has been...

...perhaps even more so. Political candidates who believe that their messages are not being conveyed accurately or fairly by the press have a range of options available for disseminating those messages... redistricting. Suddenly, things did not appear to be quite so conclusively decided. I pushed the delete button on my computer and erased the sweeping implications I was in the process of...

...sweeping language with potentially broad application, as Justice Antonin Scalia pointed out in his dissent, ( 13 ) as well as some other language

that appeared to qualify the holding.(14) How far...York Court of Appeals that I covered during my tenure in Albany.(17) The court rejected a constitutional challenge to a piece of the solution to New York City's fiscal crisis, and the judges were highly aware of the importance to the financial markets of accurate reporting about the ruling. The court invited reporters to participate in a "lock-up," an...  
...available by telephone for the rest of the day as a resource, not to be quoted, that reporters could contact to verify their understanding of the decision and its implications; I...

...else, the exercise underscored, for each reporter who took part, the need for care and accuracy, forcefully reminding us that we were doing the public's business. Although I was intimately...

...a Supreme Court decision, in my view, is necessarily interpretive. It entails more than an accurate statement of the holding, even when the holding is indisputably clear. Readers also need to...discerns and proclaims a theme, a movement from some point to another. Is this really accurate? Suppose the Justices just think they are deciding cases, one at a time. What's...of the continuing battle over the Bork nomination and the legacy of Judge Bork's rejection by the Senate.(72) More fundamentally, it is a battle over the judgment of history...

...story, The Court's habits present substantial obstacles to conveying the work of the Court accurately to the public. To cite one example, on June 29, 1995, the final day of...recently informed the Court that current technology would enable it to provide same-day transcripts, eliminating the two-week delay that makes the transcripts all but useless as an aid to accurate renditions of the debate during oral arguments. A group of reporters wrote to the Chief...  
...to take Alderson up on its offer. After some weeks of consideration, the proposal was rejected without explanation. Those of us who had made a proposal we thought was sensible and...

...aback by the response, which guarantees that quotations in argument stories will not be as accurate as they could be.

#### CONCLUSION

One recent book about Supreme Court journalism, one of the...

...of the press is to commit the resources necessary to give the public the most accurate and contextual reporting possible about the Court, its work, its members, and its relationship with...Doubts on U.S. Programs that Give Preferences Based on Race, N.Y. TIMES, June 13, 1995, at A1.

8. 115 S. Ct. 2475 (1995).

9. 113 S. Ct. 2916 (1993...

...Supp. 408 (E.D.N.C. 1994).

11. Linda Greenhouse, Justices, in 5-4 Vote, Reject Districts Drawn with Race the "Predominant Factor" N.Y. TIMES, June 30, 1995, at A1 (emphasis added).

12. 115 S. Ct. 1511 (1995).

13. See id. at 1530-31 (Scalia, J., dissenting) ("[T]he Court invalidates a species of protection for the election process that exists, in a variety of forms...

...and that has a pedigree dating back to the end of the 19th century."). Justice Scalia went on to suggest that the majority opinion cast doubt on the Court's continued...

...remains the law, this is an easy case." McIntyre, 115 S. Ct. at 1536-37 (Scalia, J., dissenting).

In his majority opinion, Justice Stevens sought to distinguish Buckley: "Not only is...What He Is Not, Thomas Opens Questions of What He Is, N.Y. TIMES, Sept. 13, 1991, at A19.

34. New York v. United States, 505 U.S. 144 (1992).

35...

...at 2121-22; see also CHARLES ALAN WRIGHT, LAW OF FEDERAL COURTS 377 n. 13 (5th ed. 1994) (describing lack of immediate press coverage of Erie and Justice Stone's...traditional and textual sources).

54. Carmel Rickard, Judge Blasts "Lamentable" Press, SUNDAY TIMES (Johannesburg), Aug. 13, 1995, at 21 (quoting Judge John Didcott).

55. Id.

56. Talk of The Nation (NPR...

...814-16.

66. See, e.g., Judge Laurence Silberman, Address to the Federalist Society (June 13, 1992), in LEGAL TIMES, June 22, 1992, at 14, 17 ("It seems that the primary...8 (1994).

84. Id. at 16.

85. Letter from George Garner to Justice Holmes (Jan. 13, 1932) (available in the Oliver Wendell Holmes, Jr., Papers at Harvard Law Library). Quoted by permission. I am grateful to Justice Hiller B. Zobel of the Massachusetts Superior Court...

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17/K/72 (Item 72 from file: 15)

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01173999 98-23394

**Quantitative theory and econometrics**

King, Robert G

Economic Quarterly (Federal Reserve Bank of Richmond) v81n3 pp: 53-105

Summer 1995

**ISSN:** 1069-7225 **Journal Code:** ERR

**Word Count:** 21239

**Text:**



...of business cycles, for example, most behavioral parameters are chosen from sources other than the time series fluctuations in the macroeconomic data that are to be explained in the investigation. This practice...

...be called calibration. In modern macroeconometrics, the textbook procedure is to estimate parameters from the time series that are under study. Thus, this clash of methodologies is frequently described as "calibration versus...also closely correspond to the results if a band-pass filter is applied to each time series .(7) Panel A displays the business cycle variation in output, which has a sample standard...

...even with productivity shocks, were evidently inconsistent with major features of the U.S. macroeconomic time series , such as the procyclicality of labor input and the high volatility of investment. After Prescott...features of the data led to these aberrant outcomes. Further, the model would be badly rejected and again the author would have difficulty explaining which features of the macroeconomic time series led to this rejection . Overall, the author would be hard pressed to defend the specific model or, indeed, why...abandoned the development of dynamic rational expectations models as part of their applied work. This rejectionist approach took hold most strongly in Cambridge, Massachusetts. One of the most sophisticated early applications...

...expectations models to the polar alternative, direct behavioral specifications that typically lack any expectational elements.( 13 ) The final approach, quantitative theory, is the topic considered next.

## 5. THE RISE OF QUANTITATIVE...

...fluctuations, for example, by fitting parameters to best match the business cycle components of macroeconomic time series .

### Calibration of Parameters

This process is now called the "calibration" approach to model parameter selection...

...general mechanisms stressed by the authors. That is, they showed that the theory--restricted in plausible ways--could produce outcomes that appeared empirically relevant. These models were notably interesting precisely because...

...But Lucas also indicated the value of comparing estimates obtained from microeconomic studies and aggregate time series evidence, so that calibration from such sources is simply one of several useful approaches to ...

...less restrictive vector autoregressive model. This would most likely have resulted in the model being rejected given the measurement problems and the abstract nature of the model. Our approach is to...

...to these stable statistics with high signal to noise ratios would be grounds for its rejection . (P. 1360)

Their argument, then, was essentially that a model needs to be able to... typically strayed far from the values employed in calibration studies and the models were decisively rejected as constrained vector autoregressions. Second, the Altug and Christiano studies did not naturally lead to...

...or econometrics, that aimed at resolving specific puzzles that arose in their work. Third, the rejectionist position of Kydland and Prescott

hardened.

In particular, Kydland and Prescott called into question all...  
...vector autoregression; model evaluation involves a comparison of this fit with that of an unconstrained time series model.

In the studies in quantitative theory reviewed above, there were also analogous parameter selection...

...alpha, which he estimated via least squares. The model implications that he explored included the time series observations on Y and the values of a derived from earlier studies of factor income...

...direct econometric implementation. In the Douglas-Solow setting, the production function is essentially free of error terms as it is written down: it is equally applicable at seasonal, cyclical, and secular ... another form of exactness, which is sometimes called a "stochastic singularity." There are not enough error terms for the joint probability distribution of the model's outcomes to be nondegenerate. Since...

...the model's reduced form and (2) a unit coherence between variables in the frequency domain .

The key implication of this essential simplicity is that there is always some way to reject econometrically a quantitative theory with certainty. Quantitative theorists have had to come to terms with...

...of an RBC model involved estimating the parameters of the stochastic productivity process from aggregate time series data and calibrating other parameters of the model.

Further, applications of the Hansen-Sargent methodology...

...this context, it is not enough to compare the likelihoods of a heavily restricted linear time series model (for example, an RBC model with some or all of its parameters estimated) to an unrestricted time series model. For some time, the outcome of this procedure will be known in advance of...

...strikingly large gap for a production function without technical progress, so we were led to reject that model in favor of an alternative that incorporates technical progress.

Looking at the studies...

...explained so much of the evolution of output Y. Second, it was striking that the time series of real wages was close to output per unit of labor input multiplied by (symbol...

...of labor's share obtained was close to the estimate (symbol omitted) obtained from the time series ). This latter finding is an example of Lucas's reconciliation of aggregate and micro evidence...of these features is typically documented by looking at a list of autocorrelations of model time series and corresponding time series from the U.S. economy. Most typically, researchers focus on a small number of low...these studies report significant success in the ability of the model to match the empirical time series properties of real output. However, a recent study by Watson (1993), which is an interesting...

...econometrics, questions this conclusion in a powerful manner.

On the econometric side, Watson estimated the time series of productivity shocks, working with two key assumptions about a baseline RBC

model drawn from...

...for output is also a "typical spectral shape for growth rates" of quarterly U.S. time series. King and Watson (1994) showed that a similar shape is displayed by consumption, investment, output...a subset of the model's implications. Essentially, Christiano and Eichenbaum (1992) asked: Can we reject the hypothesis that discrepancies between the model's implication and the corresponding empirical features are...smaller discrepancy measure than model B. Essentially, the question that they asked was: Can we reject the hypothesis that a difference in discrepancy measures between two models A and B is...

...point of this sensitivity is that a moment condition relating consumption to technology shocks is plausibly a very useful basis for sharply estimating the parameter  $\rho$  if the true  $\rho$  is...correlations of consumption are in fact lower than cross-national correlations of output.(28) A plausible conjecture is that incomplete asset markets, particularly those for national human capital, are somehow responsible...

...of government budget deficits on macroeconomic activity have long adjusted the published deficit figures to eliminate components that are clearly dependent on ...answer, of course, depends on the extent to which one believes that there is an accurate identification of causal disturbances.

#### Identification and Moment Implications

Consideration of identification leads one squarely to...explored. The results of model evaluations and model comparisons will certainly be dependent on the plausibility of the initial identification of causal factors. Faced with the inevitable major discrepancies between models...

...develop tested knowledge of business cycles.

1 In particular, we now think of an observed time series as the outcome of a stochastic process, while Mitchell and his contemporaries struggled with how...and Rebelo (1993). Recent related work, Baxter and King (1995), showed that Hodrick-Prescott filtered time series on gross national product resembles (1) the deviation from a centered five-year (equal-weight) moving average and (2) a particular approximate high-pass filter, which is designed to eliminate slow-moving components and to leave intact components with periodicities of eight years or less...

...cyclical variation in productivity" present in Figure 3. However, for Figure 4 below, the original time series on log A sub t was fed into the dynamic model, not the filtered one...

...are taken to be productivity shocks. The dynamic model is then used to produce a time series on output, consumption, investment, and labor input; the resulting simulated outcomes are then run through...

...be that it enhances the perceived importance of technical progress.

12 See also Poole (1976).

13 Recently, a small group of researchers has moved to a modified usage and interpretation of...the same proportion at every frequency.

24 Rotemberg and Woodford (1994) demonstrated that a multivariate time series model displays a substantial ability to predict output growth and also argued that the basic...

...phrase sampling error in this question is a short-hand for the

following. In a time series context with a sample of length T, features of the macroeconomic data (such as the...Baxter, Marianne, and Robert G. King. "Measuring Business Cycles: Approximate Band-Pass Filters for Economic Time Series," Working Paper 5022. Cambridge, Mass.: National Bureau of Economic Research, February 1995.

Baxter, Marianne, and...of Political Economy, vol. 100 (December 1992), pp. 1153-1207.

Sargent, Thomas J. "Interpreting Economic Time Series," Journal of Political Economy, vol. 89 (April 1981), pp. 213-48.

Sims, Christopher A. "Models...

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**Dialog eLink:**

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17/K/73 (Item 73 from file: 15)

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01166910 98-16305

**Selling information: What records managers should know**

Lemieux, Victoria

Records Management Quarterly v30n1 pp: 3-19

Jan 1996

**ISSN:** 1050-2343 **Journal Code:** RMQ

**Word Count:** 14561

**Text:**

...charities, fundraisers, newsletters and companies interested in selling their products to the magazine's subscribers.( 13 )

\* Mail Order Companies--Mail order companies have information about what customers buy, when they buy...it necessary to carry out research specific to their situation in order to gain an accurate picture of market demand and price sensitivity, an exercise that might prove too costly to justify.

Even assuming that the organization is able to determine market demand accurately, it may find that the price the market is willing to pay does not cover...

...price, it may still prove to be difficult to implement because of its dependence on accurate market information.

**Value Pricings**

Value pricing is used very commonly to set prices for information...which may be quite difficult to prove. In some jurisdictions, there is relatively new legislation eliminating the burden of proof for damages. In Manitoba, Canada, for example, a person commits a...

...principle. Personal data should, for the purposes for which they are to be used, be accurate, complete and up-to-date.

4. Purpose specification principle. The purpose for which personal data...

...For example, consumers became angry with Blockbuster Entertainment Corp. when one of its executives was quoted in the Wall Street Journal as saying the video chain might sell information about consumers...

...opposition. For instance, TRW, a financial reporting company, announced that it would verify, modify or delete information under dispute within 30 days of receiving a complaint. Equifax has established a toll... guarantees its product in a contract which may contain clauses on the limits of data accuracy and completeness in addition to exclusion clauses that eliminate or limit liability. Courts will not accept contracts, however, that allow one party to perform...difficult for surveyors as data suppliers to prove that the digital information they supplied was accurate because electronic files often are alterable with little or no trace.

A second source of data error leading to liability is process error . Process errors are associated with the compilation of data and how it is manipulated after collection. This type of error can occur during digital conversion, generalization, scale changing, projections, and graphic representation.(63) In traditional paper-based information systems, process errors were not as problematic an issue because processing ended with the final compilation of the...

...Computerization, however, allows for further processing to take place and this can give rise to errors .

A third, and increasingly common, class of error is use error, or errors that are...

...a non-standard format that was judged confusing due to the use of different map scales . The data, which was technically correct but contextually in error , contributed to a fatal airplane crash.(66)

Experts suggest a number of ways in which to minimize the occurrence of source, process and use errors as well as limit the risk of liability from such errors . First of all, experts recommend that reasonable care be taken in the selection of systems...that the organization can prove that reasonable care has been taken. In terms of limiting source errors , organizations should set and maintain data quality standards.(70) One of the ways in which...

...is likely to be put. Consideration should be given to factors such as timeliness, map scales , sources of data, and context of data collection.(71) In addition, include documentation on data...

...manually.(73) Those performing data entry must also have adequate training.(74) To avoid use errors , update data frequently to ensure its accuracy and indicate the date of last update in the system.(75) In addition, data can...

...risk of the individual and that the original source data should be relied upon for accuracy . Explicitly communicate known limitations of data quality or use that exist. In addition, have users...on You," Edmonton Journal, Saturday, February 6, 1993; Simon, p. 101.

12. Simon, p. 101.

13 . Ibid.

14. Simon, p. 101.

15. Ibid.

16. Simon, p. 101.

17. Ibid.

18. Simon...Paper presented to a conference on "Records and the Legal System," November 2, 1991), p. 13 .

44. U.K., Data Protection Act, Statutes of England, 1984, 33 Elizabeth 2, c. 35...

...p. 24.

80. Canada, Treasury Board, Guide to Use Fees (Ottawa: Treasury Board, 1992), p. 13 .

81. Salmon, p. 299.

82. West Publishing effectively lobbied to have the Republicans introduce a ...

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**Dialog eLink:**

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17/K/74 (Item 74 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01142713 97-92107

**Paradoxes of participation: Textual analysis and organizational change**

O Connor, Ellen Swanberg

Organization Studies v16n5 pp: 769-803

1995

**ISSN:** 0170-8406 **Journal Code:** ORS

**Word Count:** 14870

**Text:**

...different points of view', becomes 'the object of every other human science' (p. 71). He quotes Saussure as acknowledging that 'several sciences ... could also claim language as their object'.

Literary approaches...resistance' with terms suggesting ignorance and thus the need for education.

When a steering committee rejected parts of a proposal that a design team had presented, the latter became 'disillusioned'. The...

...morale problems.

At one site, orders declined while productivity rose. Teams went from 30 to 13 . These events 'resulted in a dampening of morale and a great need for re-training...

...labelled it as 'disempowerment'.

At one site, the committee requested a cost-benefit analysis and rejected changes to personnel policies that the design team had proposed. It also asked the team...

...direction or permission.'

The text makes an appeal for a plan 'driven by management'. I quote these paragraphs in full because they reveal, literally and formally, the paradoxes of decision-making...tantamount to idolatry' (Freccero 1982; 59).

The very phenomenon of language itself is metaphor (Shelley, quoted in Barfield 1973: 58). Burke, citing Bentham, states that language follows from the concrete to...p. 152)

Burke's distinction between poetic and semantic meaning illuminates another source of linguistic error .'... [T]he symbolizing properties of language prevent the exclusive use of a scientific language after...

...many years studying the cannon while thinking they were studying thunder. The metaphor resulted in 'error' (in the literal sense of the Latin, errare, meaning to wander). The metaphor 'transported' the...

...image' they exert autonomous force; they move to complete themselves, to finish themselves in the domain of the image]. As Coleridge observed, 'language itself does as it were think for us...

...into moral terms' (1981: 253). 'Could we ever narrativize without moralizing?' (1981: 23). Earlier, I quoted Fisher's (1992: 206) view of narratives as a vehicle for providing 'good reasons' for...at least partial 'validity' of my interpretations via its being received as something to be rejected. My voice was that of another 'non-participant' in change, in the organization's terms...

...and scientific approaches to knowledge.

First, the epistemological perspective. The question raised is that of accuracy, i.e., are events properly or faithfully represented in my interpretation? I adopt White's...

...of a specific claim fixed within a coherent framework of knowledge'.

\* Builds a case of plausibility as opposed to truth. 'The final test of [the critic's] argument is whether it...

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**Dialog eLink:**

**USPJO Full Text Retrieval Options**

17/K/75 (Item 75 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01128943 97-78337

**Scale economies and technological change in Federal Reserve ACH payment processing**

Bauer, Paul W; Hancock, Diana

Economic Review (Federal Reserve Bank of Cleveland) v31n3 pp: 14-29

Third Quarter 1995

ISSN: 0013-0281 Journal Code: ERC

Word Count: 7776

Text:

...available. Advances in computer technology--speed, storage, communications, and encryption capabilities--have meant faster, more accurate, more secure, and less costly back-office processing.

Since 1973, the use of electronic funds...reaching 2.4 billion payments valued at \$8.4 trillion by the end of 1994. ( 13 ) (figure 2 omitted) If scale economies exist, then volume growth of this magnitude could account ...

...policies for electronic payments and the appropriate pricing framework for such payments hinge on an accurate understanding of the different sources of real unit-cost reductions.

In general, the cost-function...

...for technological change). We also use different sample periods within our pooled cross-section and time - series samples.

### III. ESTIMATION

To determine the effects of scale economies, technological change, and falling input...indicator variables ( $D_{sub j}$ ), in effect forcing the coefficients  $\xi_{sub j}$  ( $j = 2, \dots, 13$ ) to equal zero. For both ITSUR models, we estimate equation (1), along with the corresponding...the start-up phase for ACH payments) are difficult to interpret, however, because it is plausible that the ACH cost function may have shifted substantially across time not only because of...

...Other time-specific factors could also have increased ACH processing costs in the early years. Plausible candidates include the one-time transition costs to newer technologies, shifts to higher-quality (higher...

...2 for several different periods. Inclusion of additional site-specific regressors affects the estimates of scale economies, with OLS Model 2 yielding larger estimates (smaller cost elasticities) than OLS Model 1 the 35 percent confidence level, confirming the presence of scale economies. Essentially, OLS Model 1 assigns more of the cost savings to technological change (and consequently, less to scale economies) than does OLS Model 2. Our estimates of cost elasticities are fairly close to...

...multicollinearity present in the data (particularly between output and a time trend), which overstates standard errors and implies a bias toward rejecting the hypothesis of scale economies, a finding of statistically significant scale economies shows strong support for this hypothesis.

As a further test of robustness, we also...

...the sending and receiving sites. Therefore, processing volumes exceed the number of ACH payments made.

13 A National Automated Clearing House Association press release dated March 27, 1995 ("ACH Statistics Fact...



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17/K/76 (Item 76 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01124831 97-74225

**Achieving innovation through bureaucracy: Lessons from the Japanese brewing industry**

Craig, Tim

California Management Review v38n1 pp: 8-36

Fall 1995

ISSN: 0008-1256 Journal Code: CMR

Word Count: 11587

**Abstract:**

...development; support from the broader organization is required as well. The Japanese brewers, rather than eliminating bureaucracy, creatively used bureaucratic means such as formal working arrangements, systems, and procedures to foster...

**Text:**

...boundaries of their own knowledge and thinking, and to try things that they might otherwise reject as impossible or of little value. Asahi's development of Super Dry provides one illustration...plan for a new beer, words are needed that capture and convey the product concept accurately. Marketing people are not especially good at this. Production people, on the other hand, possess...was not circulated, and when the head of marketing submitted a report in 1983 predicting (accurately, it turned out) a ten-point share loss within six years due to social and...

...in traditional Kirin ways to carry out meaningful reform--the patient could not cure itself.( 13 ) A CI campaign was also conducted the same year, designed in part to rouse employees...and analysis, product concept generation, prototype development and testing, label design and naming decisions, large-scale test brewing, advertising and promotion planning--are the same. Required also are speed, to ensure...

...complex, but it can be made to function more effectively by learning, through trial and error, what methods work well and then codifying these into standard procedures to guide the next...s first "dry" beer; hit the market and smashed all new product records by selling 13.5 million cases in its first ten months (up to this time the industry definition...checked by 12 employees of a major Japanese corporation and, where necessary, revised to ensure accuracy and clarity. The interviews were conducted in Japanese, and lasted from 30 minutes to two...

...additional items whose relevance the interviews had revealed. This was then checked for clarity and accuracy by native speakers. Questionnaire responses were coded, recorded by item for each firm, and incorporated...

...4 interviews, 8 questionnaires Sapporo: 4 interviews, 16 questionnaires

Suntory: 5 interviews, 10 questionnaires

All quotes and information in this paper, unless otherwise attributed, are from the interviews and questionnaire survey...

...Nakagawa, Sakai, and Honma, op. cit., pp. 6-21.

12. Esaka, op. cit., p. 238.

13 . Kubo, op. cit.

14. Esaka, op. cit., p. 237.

15. Esaka, op. cit., p. 245...

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17/K/77 (Item 77 from file: 15)

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01123769 97-73163

**How the butler was made to do it: The perverted professionalism of The Remains of the Day**

Atkinson, Rob

Yale Law Journal v105n1 pp: 177-220

Oct 1995

ISSN: 0044-0094 Journal Code: YLJ

Word Count: 24226

**Abstract:**

...of embracing flawed perfectionist ideologies of professionalism. On the other hand is the risk of discarding all forms of professionalism as discredited ideology.

**Text:**

...moral nonaccountability or easy moral answers.(12) On the other hand is the risk of discarding all forms of professionalism as discredited ideology or hypocritical cant, thus despairing of meaningful professional ...

...careful analysis of The Remains of the Day reveals a mediating, tragic vision of professionalism,( 13 ) somewhere between the perfectionist and the nihilistic. It is a professionalism that accepts the imperfection--indeed, the imperfectibility--of both individuals and institutions without rejecting the possibility of virtuous professional lives and cultures.

In this Essay, I add my voice...every rank, from the lowest to the Crown.

I think that this is an entirely plausible response(100) for several reasons. At the most general level, fair play and resistance to...

...112) The paradigm here is Louis Brandeis, who summed up his practice in an oft-quoted memo he wrote to himself: "Advise client what he should have--not what he wants...the civility cult,(129) Stevens tends to conflate expressing outrage with being outrageous, and to reject the whole as a uniformly bad lot. His shock at Darlington's order to fire...

...in my alternative response to Lord Darlington, it was not a concealment dictated by any plausible understanding of his job. Nor would the alternative response have required acting without dignity. Indeed...to naught. We need to be reminded that this is not necessarily so. The defense rejected at Nuremberg, after all, was "I did it under orders," not "I did it under...with a loquacious stranger who had himself been a butler, albeit on a more modest scale. Upon learning this, Stevens regales him with stories of the old days, only to break down in tears when he recalls the numerous errors, "[q]uite trivial in themselves," that had been appearing lately in his work.(189) These are the errors with which the book began, the errors that Stevens attributed to a flawed staff plan that he hoped to remedy by seeking out Miss Kenton.(190) They are the kind of errors that had presaged his father's literal fall and the end of his career.(191 ...are at pains to conserve ancient radicalism, see, e.g., ALLAN BLOOM, LOVE AND FRIENDSHIP 13 (1993) (offering "an attempt to recover the power, the danger, and the beauty of eros...

...stories, properly read. See, e.g., Richard A. POSNER, LAW AND LITERATURE: A MISUNDERSTOOD RELATION 13 -14, 16 (1988) (disputing more ambitious claims of law-and-literature movement but arguing that... CHRISTIAN AND A LAWYER 3-20 (1881) (identifying these antipodal approaches to legal ethics and rejecting each as equally unsatisfactory).

13. In speaking of professional life as tragic, I am indebted to Thomas Shaffer. See SHAFFER...it shall please God to call me." CHURCH OF ENGLAND, supra note 62, at 630, quoted in LUBAN, supra note 32, at 106 n.6.

65. See THURMAN W. ARNOLD, THE...

...See Id. at 1090-91; see also EMILE DURKHEIM, Professional ETHICS AND CIVIC MORALS 1- 13 (Cornelia Brookfield trans., Routledge & Kegan Paul 1957) (1950) (invoking professional standards as source of resistance...S. CHURCHILL: HIS COMPLETE SPEECHES 1897-1963, at 8607, 8608 (Robert R. James ed., 1974), quoted in PAUL ADDISON, CHURCHILL ON THE HOME FRONT 1900-1955, at 335 (1992) (giving slightly...Prerogative: A Response to Stephen Pepper, 1986 AM. B. FOUND. RES. J. 637, 638-43 (rejecting Stephen Pepper's defense of lawyers' amoral role).

119. See Fried, supra note 33, at...  
...note 6. at 148.

131. See Atkinson, supra note 11, at 52.

132. John 2: 13 -18.

133. See Schenck v. United States, 249 U.S. 47, 52 (1919).

134. ISHIGURO...pride and contentment" in sacrificing much in life for such aspirations. Id.

198. Id. at 13 -17, 245.

199. Id. at 245.

200. Id.

201. See MARTIN HEIDEGGER, BEING AND TIME...prostitute to illustrate Israel's infidelity to Yahweh. Hosea 1.

215. See, e.g., Matthew 13 (Parables of the Kingdom of Heaven); see also PAUL RICOEUR, Listening to the Parables of...

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17/K/78 (Item 78 from file: 15)

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01092292 97-41686

**The accuracy of cash flow estimation procedures**

Austin, Lloyd M; Bradbury, Michael E

Accounting & Finance v35n1 pp: 73-86

May 1995

**ISSN:** 0110-5159 **Journal Code:** ACF

**Word Count:** 4144

**The accuracy of cash flow estimation procedures**

**Abstract:**

Prior research uses mechanical procedures to estimate cash flow data. A study examines the accuracy of these procedures by measuring errors between estimated cash flows and reported cash flows. The...

**Text:**

...proxy for reported cash flows.(2)

The purpose of this study is to examine the accuracy of procedures used in prior research to estimate operating cash flow and components of operating...

...statement using the direct method.(3) It is therefore possible to examine not only the accuracy of procedures for estimating operating cash flow but also the accuracy of operating cash flow components.(4)

Based on a random sample of New Zealand firms...

...research.

**2. Procedures for Calculating Estimates of Cash Flow from Operations**

This study compares the accuracy of procedures used in prior research to estimate operating cash flow. The first operating cash...

...therefore in CFOI. It is expected that this adjustment will result in CFO2 being more accurate than CFO1.(8)  
A third cash flow measure (CFO3) is estimated, in which we adjust...

...the mechanical approach used to estimate cash flow from operations.(9)

We also examine the accuracy of traditional cash flow surrogates such as working capital from operations (WCFO) and net income...the same as that employed by the firm in its reported cash flow statement, the accuracy of CFO1 and CFO2 is artificially increased. However, we undertake this procedure because it reduces...

...Wallace and Collier [1991]).

#### 4. Analysis and Results

##### 4.1 Cash Flow from Operations

The accuracy of procedures to estimate cash flow from operations is measured by the absolute difference between reported cash flow and estimated cash flow (absolute error). We report summary statistics of absolute errors in Table 2. (Table 2 omitted) To provide a measure of the potential error in the cash flow estimates calculated in prior research, in Panel A of Table 2, we report the absolute errors scaled by the absolute value of the estimated cash flow. The median error in CFO1 is 14.3 percent, with a range of 514 to 0.3 percent. The median errors in CFO2 and CFO3 are smaller than CFOI (11.8 and 10.4 percent respectively), but a similar wide range of error values exists. The percentage errors in traditional measures of cash flow (that is, WCFO and NIPD) are much larger (52.4 and 50.7 percent respectively) than the errors in the more recent procedures (that is, CFOI and CFO2). An immediate concern is that this range of errors is driven by outlying observations; either from a specific firm or a specific year. We therefore analysed the largest errors by firm and by year.( 13 ) The largest five errors in each year arise from 14 different firms. Although the sample observations contain outliers, the extreme values are not time dependent nor firm specific.

The error metrics reported in Panel A should be read with caution. While readily interpretable, these metrics...

...cash flow rather than a measure of firm size. Also, as evident in the data, outlier problems arise because of the possibility of a small denominator (that is, a near zero operating cash flow). To provide an error metric with better statistical properties, in Panel B of Table 2 we scale the absolute error by reported sales.(14)

The error metrics in Panel B of Table 2 are smaller...

...that examining footnote disclosures (CFO3) reduces the errors in CFO1 and CFO2, but does not eliminate them. Large errors still remain. In Table 3 we report Spearman correlations among reported cash...made in our sample. (Table 5 omitted) The details in footnote disclosures enable a more accurate classification of operating, investing, and financing activities. In estimating CFO3 we adjusted 33 observations for...

...cash flows and estimates of cash flows that have been used in prior research. After eliminating "errors" associated with the definition of cash, the results show that estimates of operating cash...

...estimating procedures are used then the Livnat and Zarowin [1990] method will result in more accurate estimates of operating cash flow than that

employed in Bowen et al. [1986]. Furthermore, if...

...where the errors in cash flow estimates are potentially large. In particular, the inability to reject a null hypothesis might arise from the errors in estimated cash flow variables.

1. A...the problems associated with non-operating items included in other current assets and liabilities. They eliminate observations from their sample where the net change in working capital (using data on current...

...the reported WCFO for 16.9 (6.7) percent of their sample. These check procedures eliminate 66.5 percent from their original sample of 1,289 firms. The results of subsequent...

...problems with the definition of funds has also been observed by Drtina and Largay [1985].

13 . The median and range of errors is similar from year to year. For example, the...

...International Journal of Accounting, pp. 57-70.

Austin, L.M., and Graydon, D.G., [1992], " Time Series Properties of Company Earnings and Cash Flows: Some NZ Empirical Evidence", Accounting Research Journal, Autumn...

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17/K/79 (Item 79 from file: 15)

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01090574 97-39968

**An empirical investigation of shock persistence in economic time series**

Mayadunne, Geetha; Evans, Merran; Inder, Brett

Economic Record v71n213 pp: 145-156

Jun 1995

**ISSN:** 0013-0249 **Journal Code:** IERC

**Word Count:** 5469

**Text:**

...steady decline of  $V \sup k$  and  $A(1) \sup k$  to zero, and standard errors also are very large.

Frequency domain estimates of persistence  $A(1) \sup f$  using  $V...$

...ADF, Phjillips-Perron and. KPSS tests indicate an order of integration of one for many time series . US CPI, real wages. velocity, stock prices and quarterly GDP and Australian real GDP, nominal...most reliable.

The findings on the existence and magnitude of persistence generally are inconsistent. A plausible explanation is that of an aggregation effect: see Korosi, Lovrics and Matyas (1993) for research...

...method, problems could have arisen from the spectral density estimate, which is hard to estimate accurately especially near the zero frequency.

(ii) Conclusions

Given the results of our empirical analysis it...  
...and econometric methodology are quite significant.

Estimation of the magnitude of persistence using the time domain long-run variance ratio estimator appears to be the best technique of those examined. It...

...persistence, however. Definitive conclusions require a better finite sample approximation to its distribution and standard errors obtained under a normal approximation appear very large.

1 There has been some debate as...

...are too small (Cogley, 1991).

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17/K/80 (Item 80 from file: 15)

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00992281 96-41674

**Temporal difference learning and TD-Gammon**

Tesauro, Gerald

Communications of the ACM v38n3 pp: 58-68

Mar 1995



**ISSN:** 0001-0782 **Journal Code:** ACM

**Word Count:** 7857

**Text:**

...next time step. The most recent of these TD methods is an algorithm proposed in [ 13 ] for training multilayer neural networks called TD(lambda). The precise mathematical form of the algorithm...

...conceptual features of TD(lambda). First, as with any TD method, there is a heuristic error signal defined at every time step, based on the difference between two successive predictions, that drives the learning. Second, given that a prediction error has been detected at a given time step, there is an exponentially decaying feedback of the error in time, so that previous estimates for previous states are also corrected. The time scale of the exponential decay is governed by the lambda parameter.

TD-Gammon was designed as...hundred per ply. This is much larger than in checkers and chess (typical branching ratios quoted for these games are 8-10 for checkers and 30-40 for chess), and too...sufficient hidden units, the MLP architecture is capable of approximating any nonlinear function to arbitrary accuracy [5].

The process of "learning" in an MLP consists of applying a formula for changing...player in the world at the time, and achieved a very respectable net loss of 13 points, for an average loss rate of about one-quarter point per game. Version 2...games than a human can play and correlate the results of its experiences much more accurately and with no emotional bias. Having done so, it can examine any position, add up...

...is the surprising 8-4\*, 8-4, 21-17, 21-17! Traditional human thinking would reject this play, because the 21 point would be viewed as a better defensive anchor than here.

Absolute Accuracy VS. Relative Accuracy

In absolute terms, TD-Gammon's equity estimates are commonly off by a tenth of...

...for move selection. Making master-level plays very often requires discrimination on a much finer scale than one-tenth of a point. Yet despite the large errors in TD-Gammon's evaluations, it is consistently able to make master-level move decisions...be extended to 3-ply, it appears that many of the program's technical endgame errors would be eliminated. In fact, a 3-ply analysis is commonly employed by authors of backgammon texts and...

...provide them as additional inputs to the neural network. One might also expect that further scaling of the system, by adding more hidden nodes and increasing the amount of training experience...Shannon, C. E. Programming a computer for playing chess. Philosophical Mag. 41, (1950), 265-275.

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...if the programs play quickly enough, then many thousands of games can be played and accurate statistics can be obtained as to how often each side wins. A higher score against...

...opponent can be interpreted as an overall stronger level of play. While this method is accurate for computer programs, it is hard to translate

into human terms.

A second method is...

...Also the expert's assessment is at least partly subjective, and may not be 100% accurate .

A third method of analysis, which is new but rapidly becoming the standard among human...

...In theory, there is a potential concern that the computer rollout results might not be accurate , since the program plays imperfectly. However, this apparently is not a major concern in practice...

...interests include reinforcement learning in the nervous system, and applications of neural networks to financial time - series analysis and to computer virus recognition. Author's Present Address: IBM Thomas J. Watson Research...

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17/K/81 (Item 81 from file: 15)

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00930658          95-80050

**A comparison of analytical procedure expectation models using both aggregate and disaggregate data**

Dzeng, Simon C

Auditing: A Journal of Practice & Theory v13n2 pp: 1-24

Fall 1994

**ISSN:** 0278-0380 **Journal Code:** APT

**Word Count:** 10609

**Abstract:**

...vector autoregression) is introduced. Three sets of criteria are used: model goodness-of-fit and accuracy , incidence of errors, and test-of-details sample size and achieved detection risk. The results...

...A formal augmented Dickey-Fuller stationarity test can help auditors determine the model form of time series data. 3. Well-specified multivariate AP expectation models seem to outperform well-specified univariate models. 4. Less aggregate data can increase a time - series AP expectations model's precision.

**Text:**

...random walk models. Three sets of criteria are used: model goodness-of-fit and prediction accuracy , incidence (not the rate) of Type-I and Type-II errors, and test-of-details...

...Instructional Expenses, and Enrollment account balances of a mid-size university, and an industry index. Time - series plots and formal tests are performed to analyze the data series' properties in order to...  
...formal ADF (augmented Dickey-Fuller) stationarity test can help auditors determine the model form of time series data, i.e., how many levels of differencing are needed to achieve stationarity; (3) account...

...No. 56 suggests, less aggregate data (in this case monthly vs. quarterly) can increase a time - series AP expectation model's precision and thereby enhance the related AP's efficiency and effectiveness...

...those of multiple regressions.

Key Words: Analytical procedures, VAR (vector autoregression), AP expectation model, multivariate time series model, SAS No. 56.

Data Availability: Original case data set not available due to confidentiality...

...Its limited acceptance in practice, the development of ARIMA (autoregression integrated moving average) and other time - series models in the econometric literature, and most importantly, the auditor's desire to search for...

...in an AP context using actual monthly data.(1) Their results showed that the bivariate time - series models significantly outperformed both multiple regressions and univariate ARIMA models in terms of model fit and predictive accuracy . Given the expensive computer time and "user-unfriendly" statistical software needed to operationalize these more of these studies: (1) Can a multivariate time - series model make even better use of a multivariate data set than the regression models currently ...

...expectation for VAR model

(Equation 1-5 omitted)

Thus, VAR is expected to have more accurate forecasts than univariate ARIMA's in most cases if it can extract useful information from...

...more traditional simultaneous-equation structural econometric models. VARs are dynamic models of a group of time series . All equations in the system have identical constant terms and lagged values of the dependent... lagged dependent variable as the independent variable. This general VAR, as a multivariate and dynamic time - series model, has the potential of making better use of the same data set than univariate...

...AP tool.

Another weakness of VAR is that, in its general form, VAR requires long time - series , since each equation usually contains several variables and several lags for each, which can easily...that year is dropped. In addition, in order to avoid potential structural change in long time - series and to make the results comparable to results from previous studies (e.g., Albrecht and...

...help to increase AP expectation models' precision, and COMPUSTAT does not have monthly company data.( 13 ) To create additional observations and randomized results, a simulation is undertaken to generate 100 sets...

...save space).(Figure 1 omitted)

In general, all four variables appear to have very similar time - series properties. They all show a trend that increases along the time line. Their variances all...

...from any obvious trend, seasonality, or nonconstant variances.

Data continuity (or structural change) is another time - series property that the auditor should consider when using time - series AP expectation models. The prediction of a balance under audit is only meaningful if the ...

...the model estimation period to the forecast (audit) period. The resulting F-statistic is 2.13 with a critical value of 2.65, suggesting no structural changes in the transformed TUITN...

...1977; Kinney 1978), no accounting or auditing studies have formally tested the stationarity of the time series used. Panels A and B of table 2 show the results of the level and...

...first order (i.e.,  $I(1)$ , or stationarity after taking the first-difference) cannot be rejected. However, ENROL's t-statistic, -2.7113, is very close to the critical value. In...

...null hypothesis that it is integrated of order 2 (i.e.,  $I(2)$ ) cannot be rejected. Fortunately, as panels C and D demonstrate, the logarithms of all variables are unambiguously integrated...the same set of circumstances. In addition, by examining various models' goodness-of-fit/prediction accuracy, Type-I/Type-II error counts, and TD sample size/achieved detection risk measurements, the...

...more appropriate model to achieve a specific audit objective.

#### MODEL GOODNESS-OF-FIT AND PREDICTION ACCURACY

This study uses the Ljung-Box Q as the model fit measure and the mean absolute percentage error (MAPE) as the predictive accuracy measure, following Lorek et al. (1992). A significant Ljung-Box Q-statistic indicates that the null hypothesis of no autocorrelation at the order tested (1 through 12) is rejected, which implies nonwhite-noise residuals and thus better-specified models may exist. The quarterly

(Equation...table 6 summarizes the monthly data results.(Tables 3-6 omitted)

#### MODEL FIT AND PREDICTION ACCURACY

Table 3 summarizes the average Qs and MAPEs (in panels A and B, respectively) of...

...Inspection of equations (4) and (9) reveals that VAR's better model fit and prediction accuracy are probably due to its ability to extract more intra-and inter-variable leads and...

...auditors can be derived from results in table 3. First, well-specified multivariate models, whether time - series or structural or both (such as REG2 and VAR), should be considered in place of...data, with about 20 percent improvements. Even the worst performers, REG1 and RW, have about 13 percent improvement in prediction precision. Thus, the assertion made in both SAS No. 56 and...CONCLUDING REMARKS

Motivated by previous analytical procedure (AP) studies' call for case study and multivariate time series analysis (Albrecht and McKeown 1977;

Kinney 1978; Arrington et al. 1983; Wheeler and Pany 1990...

...to be more stable than industrial firms' data.(25) A state-of-the-art multivariate time - series forecasting tool, vector autoregression (commonly referred to as VAR), is juxtaposed with other multivariate and...

...of the test group in terms of all three sets of criteria: model fit/predictive accuracy , Type-I/Type-II error counts, and test-of-detail sample size/achieved detection risk...

...especially given this study's finding that the BVAR approach does not require excessively long time series . (This study uses 36 monthly and 36 quarterly data points.)

Although it was mentioned that...

...may be the selection of the optimal prior set when using RATS (Regression Analysis of Time Series ) software (which is the only PC-based software that incorporates the Bayesian VAR approach). This...the form

(Equation A1 omitted)

where  $s_{ij}$  ( $s_{ji}$ ) is the standard error of a univariate autoregression on equation  $i$  ( $j$ ). The ratio of the standard errors is to correct for the different scalings of the variables in the system. The part in braces is the tightness or weight...

...to experiment with larger VAR models with different prior sets, a form of automated forecasting- accuracy comparison routine can be easily formulated with RATS software's THEIL procedure, which calculates benchmark ...

...alleviated by user-friendly, largely automated statistical software packages. Examples are RATS (Regression Analysis of Time Series ) by VAR Econometrics, Inc. and SCA-Expert by Scientific Computing Associates. The results of this...

...page 11). This regression will have interpretable coefficients, though its forecasts are usually not as accurate as a VAR that includes it.

9 The degrees of freedom for a general VAR data noises associated with unstable time series so that the various models' forecasting abilities (measured by forecast errors) can be detected with...

...quarterly balance into threeequal monthly balances. These simplistic conversions may have introduced some artificial time - series patterns into the converted data series which may bias forecast accuracy of the models. There are, however, no apparent reasons to believe that this bias is...

...i.e., 1978 to 1988) so that the two sets of results are directly comparable.

13 The case study approach is not new to the AP literature. The following are all...

...large multidivision firm; and Wheeler and Pany (1990) used five COMPUSTAT firms with five different time series patterns.

14 Specifically, this paper uses the multivariate simulation method described in Hannan (1970). This...D. H., M. T. Lewis, W. T. Lin, and J. G. Manegold. 1983. Applications of time - series analysis in accounting: A

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...John Wiley & Sons, Inc.

Tiao, G. C., and G. E. P. Box. 1981. Modeling multiple time series with applications. The Journal of the American Statistical Association: 802-816.

United States Department of...

#### **Descriptors:**

... Time series

#### **Classification Codes:**

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#### **Dialog eLink:**

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17/K/82 (Item 82 from file: 15)

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00920671 95-70063

**Economies of integration versus bureaucracy costs: Does vertical integration improve performance?**

D Aveni, Richard A; Ravenscraft, David J

Academy of Management Journal v37n5 pp: 1167-1206

Oct 1994

ISSN: 0001-4273 Journal Code: AMA

Word Count: 16124

Text:

...prices and costs. Costs may be decreased by avoiding market costs (Jones & Hill, 1988), by eliminating the distortion in input costs caused by imperfect competition in the upstream market (Vernon & Graham...mover" advantages exist. In addition, transaction costs, such as selling and advertising expenses, may be eliminated because product information is transferred through internal hierarchies and order taking is also handled administratively...

...providing access to information about input costs and manufacturing processes. Ensuring supplies reduces costs by eliminating shortages that temporarily increase input costs and by avoiding unused capacity in the event of...

...access to information about upstream profits and manufacturing processes (Pennings, Hambrick, & MacMillan, 1984). Forward integration eliminates the need to incur advertising and other selling expenses between two stages. It provides the...

...the ratios of several types of expenditures to sales for three reasons: First, integration will eliminate expenditures that are specific to market transactions, such as media and other selling expenditures. Second ...overhead (although they may increase other costs). Nonintegrated firms may respond to demand uncertainty by eliminating overhead, decentralizing their organizational structures so that they can respond to shifts in market demand...of the kind discussed by Mahoney (1992) can achieve cost reductions associated with integration or eliminate bureaucracy costs of vertical integration.

The data set included 3,185 manufacturing lines of business...

...business using the allocations the companies themselves provided to the Federal Trade Commission. This procedure eliminates the possibility that vertically integrated lines of business will show lower costs because costs are...power over a focal line of business. Perhaps the observed overhead efficiencies are associated with eliminating the costs of opportunism.

In sum, our empirical framework allowed us to make two types...reasonable significant coefficients. To take an added precaution, we performed a number of sensitivity tests. Deletion of the seven largest (in absolute value) coefficients on vertical integration, total diversification, and market...

...had little impact on the findings since all the outlier coefficients had large standard errors. Deleting the ten largest and ten smallest profit outliers resulted in only one substantive change, The...

...23 industries, however, no line of business had a vertical integration value over 5 percent. Discarding these industries had the same effect as eliminating the profit outliers. Finally, following the methodology outlined in Appendix A, we computed a market...

...confidence that the results would be robust to averaging the independent variables with their lower time - series variance.

8 The productivity interpretation suggests that any integration-induced change in costs--positive or...choice of organizational form: Vertical ownership versus other methods of vertical integration. Strategic Management Journal, 13 : 559-584.

Martin, S. 1986. Causes and effects of vertical integration. *Applied Economics*, 18: 737-755.

Michel, A., & Shaked, I. 1984. Does business diversification affect performance? *Financial Management*, 13 (4): 18-25.

Miles, R. E., & Snow, C. C. 1986. Organizations: New concepts for new ...Commission industry classifications are assumed to be correct, then this information can be used to accurately characterize degree of internalization. If the industry classifications are too aggregated, the degree of internalization...

...reporting line of business yields an estimate of the intracompany transfers. If this estimate is accurate, it must follow the reporting requirements. For forward integration, the value of intracompany transfers must...when buyers or suppliers are few, and thus can act opportunistically, firms use integration to eliminate transaction costs. MacDonald (1985), Levy (1985), Martin (1986), Walker and Weber (1987) and Caves and...Table 5 on several industry characteristics. A GLS procedure was used because there was measurement error in both the dependent and independent variables. The industry characteristic in these regressions included (1...

...3) technological competition (industry average R&D intensity), (4) industry capacity utilization, (5) minimum efficient scale, and (6) industry advertising intensity.

In general, the results showed broad generalizability for the conclusions ...

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**Dialog eLink:**

**USP10 Full Text Retrieval Options**

17/K/83 (Item 83 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00915598 95-64990

**The cash flow/investment relationship: Evidence from U.S. manufacturing firms**

Vogt, Stephen C

*Financial Management* v23n2 pp: 3-20

Summer 1994

**ISSN:** 0046-3892 **Journal Code:** FMG

**Word Count:** 9809

**Text:**

...depend more heavily on cash flow. A model of firm investment spending using cross-sectional time - series data with fixed time and firm effects is then used to test the relative importance...

...also has implications for both theories. In the FCF theory, dividends are one means of eliminating free cash flow (Lang and Litzenberger



(1989)). The model developed here shows that firms with...firms did not. He attributes these results to the failure of internal control mechanisms to eliminate value-destroying investment spending associated with free cash flow.

To shed additional light on the...

...decisions is costly. The model is then expanded to show how dividends (a means of eliminating free cash flow) affect Tobin's Q.

1. A Simple Q Model with Costly Monitoring...

...increased firm size (Jensen and Meckling (1976)), while shareholders would prefer dividends over retention to eliminate free cash flow (Lang and Litzenberger(1989)). The implication of free cash flow for a...of the firm exceeds the current value of assets in place.

This occurs when

(Equation ( 13 ) omitted)

Algebraic manipulation of Equation ( 13 ) yields

(Equation (14) omitted)

When total firm value is large relative to the cost of e investment (i.e., V is large relative to I), and when Equation ( 13 ) holds with equality, the right-hand side of Inequality (14) becomes approximately  $(V + \Omega)/V$ . ...Firms reporting acquisitions in excess of 10% of their total assets in any year were deleted from the sample. Firms were also screened for defaulted debt to remove the effect that...

...to allow for time-specific and firm-specific intercepts. Direct estimation of the intercepts is eliminated by centering the data around their time - series and cross-sectional means. See Deilman (1983) for a discussion of this technique.  
The second...

...of the parameter estimates increases as the long-run payout rate falls. An F-test rejects (at the 0.01 level) the null hypothesis that parameter estimates on cash flow across...dummy variable interaction regression using ordinary least squares (OLS). This alternative specification is estimated to eliminate possible biases associated with extreme values of Q, which may influence both the sign and...

...respectively. Dummy interaction variables between cash flow and QDUM1-QDUM4 are then created, and after eliminating the endogenous variable DCASH/K the model is estimated using OLS.

Results of the dummy...highly significant. Consequently, the asymmetric information-induced pecking order explanation cannot be dismissed. The most plausible argument is that both free cash flow and asymmetric information are important factors contributing to...

...An alternative, although less tangible, form of investment spending is expenditures on research and development.( 13 ) Two intriguing issues arise when considering this form of investment. First, its intangible and high...

...important source of their financing likely because of liquidity constraints created by asymmetric information.

A plausible alternative explanation, however, is that the intangible nature of R & D spending makes it difficult...incentives. For instance, if managers are risk-averse and incentive contracts are suboptimal,

managers may reject positive-NPV investments having sufficient downside risk.

6 The form that dividends take is irrelevant...

...appropriate proxy for marginal Q. They include perfect competition in the firm's product market, scale -expanding investment, and profit-maximizing behavior. The assumption of profit maximization does not hold in...

...unprofitable), average Q will continue to fall and lie above marginal Q when investment is scale -expanding. A potentially more serious problem is that input price and technology shocks may adversely...

...to the existing asset base but with higher values of marginal Q, the assumption of scale -expanding investment is violated, and the relationship between marginal and average Q disappears. Our method ... controlling for this problem in the empirical work is to recognize the potential for measurement error in the Q variable and employ a fixed-effects model to control for time-and...  
...on an agency story to explain the low Q value associated with positive investment spending.

13 I thank an anonymous referee for suggesting the line of inquiry presented in this section...

...the Firm," Financial Management (Winter), 128-140.

Deilman, T.E., 1983, "Pooled Cross-sectional and Time - Series Data: A Survey of Current Statistical Methodology," American Statistician (May), 111-122.

Devereux, M. and...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/84 (Item 84 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00911901 95-61293

**Automated testing from object models**

Poston, Robert M

Communications of the ACM v37n9 pp: 48-58

Sep 1994

ISSN: 0001-0782 Journal Code: ACM

Word Count: 5806

**Text:**

...to be defined with a name, type, and initial value but does not require data domain definitions. Consequently, a tester working from an object model would not know the range of...

...this data have Which values should return a correct result, and which should return an error response?

On further examination of the object model, the team found that a piece of ...It met the team's requirements.

An otherwise efficient company could not provide timely price quotes to its customers. Sales agents at the company were taking days or even weeks to calculate price quotes for prospective customers. A formal needs analysis was launched to investigate the problem. Systems analysts determined quantitatively that the company could increase its sales if price quotes could be made promptly. A genuine need for a faster pricing system existed.

Analysts at...

...various ways to satisfy this need. They explored the possibility of adding sales staff, simplifying quote procedures, or using standardized spreadsheets. Finally, the analysts recommended that a centralized software system be built to calculate price quotes automatically.

Adopting this problem for its case study, the team decided to build an automated...

...or objects that should be modeled for the system. He identified Callers, Products, and Price Quotes as the most important objects to be modeled. After identifying these objects, he went on...

... quote . The tester saw that the information on the model mapped closely to the information in...

... Quote . While creating the functional model, the analyst was careful to envision and record possible preconditions...

...models up to the test-ready standard set by the team, the analyst added data domain information to each data item or attribute. Figure 9 shows samples of data domain information that the analyst added to make the object model test-ready. (Figure 9 omitted...annotation that the analyst added to data definitions in the object model to indicate that invalid values were possible and should be probed. The test cases. As soon as the OMT...

...occurred.

Every input to software under test has a set of possible values called a domain, which is divided into a valid and invalid subdomain. Sometimes subdomains are further divided into smaller groups called equivalence classes. In equivalence class...

...and every equivalence class specified in the model.

The cause-effect graphing technique is more accurately called the logic or condition testing technique. In this technique every condition is probed for...invites a user to choose one item in the list. The buttons labeled "Add to Quote " and " Delete from Quote " are push buttons; they are self-explanatory. The box to the left of the label...

...of the code was reused from another project or tool produced, programming progressed quickly.

Figure 13 shows the first test case generated for the CSS. (Figure 13 omitted) It will be the first test case to run or be executed on the...

...explicit expected output values for a given test case. Both manual projection and simulation produce accurate expected output values, but they are expensive undertakings and, probably, are justified only in special...cases, the smallest number of test cases that would exercise every function and every Most Probable Error in the CSS at least once.

In less than five days the two developers...

... quote calculation reliably if he didn't know the minimum and maximum values that a price...

...Art of Software Testing. Wiley & Sons, New York, 1979.

9. Poston, R. Preventing the most probable errors in requirements. IEEE Softw. 4, 5 (Sept. 1987), 81-83.

10. Poston. R. A

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/85 (Item 85 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00864400 95-13792

**Insider trading following material news events: Evidence from earnings**

Sivakumar, Kumar; Waymire, Gregory  
Financial Management v23n1 pp: 23-32  
Spring 1994

**ISSN:** 0046-3892 **Journal Code:** FMG

**Word Count:** 5256

**Text:**

...limiting periods of acceptable insider trades do alter when trades occur, but they do not eliminate insider trading profits. These policies do not impose significant opportunity costs in the terms of...

...daily portfolio abnormal returns. The significance of portfolio cumulative abnormal returns is assessed with a time series t-statistic: (equation omitted) where m is the number of event days in the return... purchases equal insider sales, we classify the observation as "no insider trade."

The earnings forecast error for the  $i$  sup th earnings announcement ( $FE_{sub i}$ ) is measured as the deviation between actual eps ( $EPS_{sub i}$ ) and a prior analyst forecast ( $AF_{sub i}$ ), scaled by the pre-announcement common stock price ( $P_{sub i}$ ): (10) (equation omitted)

Due to...

...the result of delayed trades by insiders based on the unexpected earnings news. A more plausible interpretation is that post-announcement trades are likely an endogenous response conditioned on price changes... announcement drift wherein abnormal returns following quarterly reports are

positively correlated with earnings forecast errors.( 13 ) Further, much of this effect is located at the next announcement date. Our sample exhibits a similar effect. Exhibit 4 shows time series plots of CARs for each of the earnings forecast error quartiles. (exhibit 4 omitted) Note...the next quarter's earnings. As a test of this conjecture, we examined earnings forecast errors associated with the next quarterly announcement. We calculated the earnings forecast errors for the next quarterly earnings announcement as the deviation between actual earnings and the mean analyst forecast made three months prior to the announcement scaled by the pre-announcement common stock price.(15) Exhibit 6 provides summary statistics for subsequent earnings forecast errors for all post-announcement insider buys and sells, as well as results for each current period earnings forecast error quartile. (exhibit 6 omitted)

In addition to the mean, median, and the percentage of observations...

...knowledge of longer-term corporate prospects (see Allen and Ramanan [1] and Pettit and Venkatesh [ 13 ]) or as a reaction to temporary mispricing of individual securities (see Seyhun [15]). One way...

...trading to periods following information releases may alter the timing of trades, but do not eliminate abnormal returns following such trades. Also, the evidence does not indicate foregone ...a test statistic of 648.38. The value of the test statistic required for a rejection at the 0.001 level with one degree of freedom is 10.828.

(12) Elliott...

...would be roughly equivalent to the average trading level calculated excluding data from week +1).

( 13 ) See Bernard [3] for a review of this evidence.

(14) Quartiles I and 2 (3...Statistical Properties of Insider Trading," Journal of Law and Economics (April 1968), pp. 35-51.

13 . R. Pettit and P. Venkatesh, "Insider Trading and Long-Term Security Performance," Working Paper, University...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/86 (Item 86 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00861651 95-11043

**Combining exchange rate forecasts: What is the optimal consensus measure?**

MacDonald, Ronald; Marsh, Ian W

Journal of Forecasting v13n3 pp: 313-332

May 1994

ISSN: 0277-6693 **Journal Code: JOF**

**Word Count: 6693**

**Abstract:**

...are not as good as a naive no-change prediction. Combining forecasts adds to the accuracy of the predictions, but the gains primarily reflect the removal of systematic and unstable bias. The fact that adjusted forecasts can be more accurate than the spot and forward rates as predictors indicates that there is information available to...

**Text:**

...profitable opportunities which could be associated with the 'peso' problem.(9) Guerard (1989) combined a time - series forecast, the forward rate and a forecast from a single US bank using a ridge...

...being devised which incorporate non-fundamentalists traders.(11)

Work carried out to date on the accuracy of exchange rate forecasts has used the forecasts of either econometric-or time - series -based models (economics-based), or technical analysts' predictions. Goodman (1979) used various measures of predictive...

...al. (1986) investigated the performance of three British, economics-based forecasters and were able to reject the hypothesis of unbiasedness in both the individual forecast series and in an optimally combined...

...subjective and potentially time-varying combinations of fundamentals-based forecasts, chartist predictions and other considerations.( 13 ) Furthermore, most previous studies have concentrated on forecasters from one country, typically the United Kingdom...of equations (1) and (2) are presented in Tables I and II. Unbiasedness is resoundingly rejected. Individual, country average, and sample average forecasts typically have point estimates of sigma which are...

...forecasts. More stringent tests, in terms of a wider information set, resulted in almost uniform rejection of error orthogonality. it is worth noting the difference between these results and those reported...

...forecasts).

Biased forecasts are, however, not necessarily bad forecasts and in order to evaluate the accuracy of our forecasters we have used two measures. First, the root mean squared error (RMSE...

...two individual forecasters managed to beat a forecast of 'no change', using this measure of accuracy.(19) These results are very supportive of the Meese and Rogoff (1983) findings, and indicate...

...showing the importance of the qualitative predictions embedded in our forecasts.(20) That is, the accuracy of a forecast in terms of RMSE is possibly less important to a trader than...together with that for a pooling of the three currencies for the core group of 13 forecasters. (Table IV omitted) Given the low power of non-parametric tests, these results are...

...now turn to the question of whether by combining the forecasts we can improve their accuracy.

THE PERFORMANCE OF FORECAST COMBINATIONS

We have demonstrated that individual forecasts are not very accurate, are

biased, and do not take full account of available information. There are exceptions (most notably U20 and U24) and for some currencies even the least accurate are still profitable to follow. We have also demonstrated that the performance of our forecasters...

...within-sample, unconstrained combinations of forecasts must match or outperform the components in terms of accuracy (though not necessarily profitability). The only true test of performance is an out-of-sample...

...We do this for each of our individual forecasters and test the out-of-sample accuracy of these 'corrected' forecasts.

We have a total of 27 observations available, eight of which...

...will not yield maximum benefits, we also combined the forecasts of our core group of 13 (which contains representatives from all seven countries) and the best five forecasters (in terms of...

...most recent twelve observations. This, of course, precludes this type of weighting for G13.

The accuracy of these various combinations in terms of root mean squared errors and mean absolute errors...

...currency), while a worse predictor than the current spot or forward rate, is frequently as accurate as the 'optimal' combinations. The Average forecasts also perform better in the test period than...appears that combining information contained in some forecasts can lead to significant gains in forecast accuracy for the Japanese yen, though not for the two European currencies.

As we noted above...

...combination of forecasts also corrects for the bias in the forecasts. Have the gains in accuracy found from combining yen forecasts been because of information pooling or because we have removed...

...Table VIII. (Table VIII) They indicate that by combining corrected forecasts we have actually lost accuracy. For all three currencies, merely correcting the in-sample bias of individual forecasters usually results...

...we found that pooling forecasters information sets by combining their forecasts possibly adds to the accuracy of the predictions, but the gains mainly reflect the removal of systematic bias. This bias...

...explain the poor performance of combined forecasts. The fact that adjusted forecasts can be more accurate than the spot and forward rates as predictors indicates that there is information available to...trading are randomly generated. However, he did not have any data on currency futures trades.

13 In fact Goodman (1979) neglected to analyse the performance of 13 of his total sample of 23 forecasting agencies on the grounds that they combined both...

...be the profits from a buy-and-hold strategy.

21 The authors are exploring the accuracy of forecast direction in current research.

22 Iman and Davenport (1980) suggest a small-sample...

...on the marginal significance levels found.

23 Allocation bias indicates a constant non-zero mean error ( $\alpha \neq 0$ ), while a scale bias occurs when a forecaster systematically under- or over-predicts ( $\beta \neq 1$ ).

24 In fact...

...Journal, 96 (1986), 986-99.

Boothe, P. and Glassman, D., 'Comparing exchange rate forecasting models: accuracy versus profitability', International Journal of Forecasting, 3 (1987), 65-79.

Clemen, R. T., 'Linear constraints...

...Crotty, J. R., 'A two-stage forecasting model: exponential smoothing and multiple regression', Management Science, 13 (1967), B501-7.

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Figlewski, S. and Urich, T., 'Optimal aggregation of money supply forecasts: accuracy, profitability and market efficiency', Journal of Finance, 28 (1983), 695-710.

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Makridakis, S. and Hibon, M., 'Accuracy of forecasting: an empirical investigation', Journal of the Royal Statistical Society. Series A, 142 (1979)...

...of Chicago Press, 1984.

Newbold, P. and Granger, C. W. J., 'Experience with forecasting univariate time series and the combination of forecasts', Journal of the Royal Statistical Society, Series A, 137 (1974)...

...Las Vegas.

Winkler, R. L., 'Combining forecasts', in S. Makridakis et al. (eds), The Forecasting Accuracy of Major Time Series Methods, New York: Wiley, 1984.

Wolff, C. P., 'Forward foreign exchange rates, expected spot rates...

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**Dialog eLink:**

**DSPTC Full Text Retrieval Options**

17/K/87 (Item 87 from file: 15)

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00859246

95-08638



## Learning and foreign policy: Sweeping a conceptual minefield

Levy, Jack S

International Organization v48n2 pp: 279-312

Spring 1994

ISSN: 0020-8183 Journal Code: PIOR

Word Count: 16640

**Text:**

...search for the information they believe is necessary for a valid interpretation of historical experience.( 13 ) Actors also conduct experiments to "test" their assumptions: they implement small policy changes, observe their...worldviews.(42) This increases confidence in existing beliefs and thus reinforces continuity in behavior.

Some reject this analytical distinction between learning and policy change. William Jarosz and Joseph Nye define learning...

...This will be quite complex in all but the most highly centralized political systems.

### THE ACCURACY CRITERION

Whereas I define any experience-induced belief change as learning, some impose a more restrictive accuracy criterion: actors must make the correct inferences from experience and acquire an improved understanding of how the world works. The accuracy criterion is central to what Tetlock calls the "efficiency definition of learning," in which "learning...in the content of one's beliefs that (2) is in the direction of greater accuracy about the world and that (3) facilitates the ability to achieve one's goals.(47...

...in turn is necessary but not sufficient for the third. Belief change is not always accurate , and knowledge does not always translate into skill. As George Breslauer emphasizes, greater realism about...

...learning how).(48)

Let us leave the more demanding efficiency criterion aside and focus on accuracy . One advantage of the accuracy criterion is that it allows us to differentiate learning from the broader concept of belief...

...the concept of learning? What is the value added? In addition, without something like the accuracy criterion we cannot distinguish learning from paranoid thinking, in which a person's simplistic belief...

...approach is that it requires a standard by which we can identify and measure the accuracy of learning. Tetlock concedes that the assessment of learning is straightforward only in "learner-friendly...

...standards for determining success and failure, where it is possible to conduct controlled experiments to eliminate alternative causal hypotheses, where the instruments of measurement themselves can be based on well-established...

...methodological perspectives.(51) In the absence of a consensus on empirical laws by which the accuracy of learning can be assessed, there is a tendency for observers to evaluate learning in...

...that one set of lessons is objectively superior to another.(52)

To insist on an accuracy criterion would either result in research that is less rigorous, more subjective, and more dependent...

...questions among social science analysts.

Given the absence of agreed-upon standards by which the accuracy of belief change can be evaluated, it is better to exclude the accuracy criterion (and the more demanding effectiveness criterion as well) from the definition of learning and...

...paranoid thinking and that the distinction between learning and belief change is narrowed though not eliminated, but this trade-off is preferable to the alternative of greater subjectivity or the paralysis of research. This does not mean that the question of accuracy in the observation and interpretation of experience is unimportant, but rather that it should be resolved by empirical analysis rather than definition. If learning requires accuracy, we cannot empirically investigate the accuracy of learning or the conditions, issue-areas, and organizational structures that facilitate it.(54)

There has, in fact, been considerable research on the accuracy of learning. Organizational theorists Pertti Lounamaa and James March find that learning is "myopic, incremental...changes in beliefs within an increasingly differentiated and integrated cognitive structure has the merit of eliminating the problem of paranoid learning by excluding simplistic belief change, but it creates other conceptual problems.(60) One is that it sneaks the accuracy criterion through the back door through the assumption that an increasingly complex belief system leads...

...of the world or to better skill in advancing one's own interests, and more accurate beliefs about the world do not always require cognitive complexity. One can be complex but...

...but right.(61) For example, Jimmy Carter was probably not thinking more complexly (or even accurately) when he claimed that he learned more about the Soviet Union on the day of...

...did those with less complex beliefs.

The relationship between cognitive structure and the content and accuracy of beliefs is quite complex, and there are some theoretical reasons for expecting that under some conditions structural complexity might impede accurate learning rather than enhance it. More cognitively complex belief systems are less falsifiable and more...

...those with which they are familiar--but more simplistic views on other issues, and the accuracy and dynamics of information processing may be different in these different domains. This relates to...

...within a static cognitive structure.

In summary, the incorporation of elements of policy change, empirical accuracy or efficiency, or cognitive structural complexity into a definition of experiential learning creates a number...intervening perceptual variable is not epiphenomenal but varies across actors in terms of both the accuracy and rate of learning and consequently carries significant explanatory power. The difference lies not in...

...cooperation arises in a system because those who pursue noncooperative strategies do poorly and are eliminated, leaving those who pursue cooperative strategies, then it is an example of the evolution of...the relationship between learning and domestic politics. They affect internal

policy debates by affecting the plausibility of the "lessons of history" advanced by various factions. The Munich analogy, for example, was... escalate rather than to withdraw in 1965 but also why more extreme escalation measures were rejected (because of the image of China crossing the Yalu).(114)

Jack Snyder includes comparisons of...

...Japan, the Soviet Union, and the United States. Snyder's case studies lead him to reject the learning hypothesis in favor of the instrumental use of history driven by the domestic...of individually learned lessons into organizational routines and procedures. The extent to which learning generates accurate lessons about the world, enhances one's ability to achieve one's goals, or involves...

...which learning by political leaders takes place.(121) Political scientists have advanced a number of plausible hypotheses and more recently have conducted some promising empirical studies utilizing small-n research designs...of Michigan Press, 1989), pp. 177-205; Robert Powell. Nuclear Deterrence Theory: The Search for Credibility (Cambridge: Cambridge University Press, 1990); and Andrew Farkas, "State Learning and International Change," Ph.D...See Richard Nisbett and Lee Ross, Human Inference (Englewood Cliffs, N.J.: Prentice-Hall, 1980).

13 . Organizational search is a central concept in organizational theory, and information search is central to rational choice theories of politics.

14. Wildavsky writes (of hazardous technologies) that through "small- scale trial and error , we develop skills for dealing with whatever may come our way from the world of...belief system" (or "cognitive psychological") approach to learning. Etheridge also defines learning in terms of accuracy and effectiveness. See Etheridge, Can Governments Learn, p. 66. Note that the efficient matching of...Meyer, "The Sources and Prospects of Gorbachev's New Political Thinking on Security." International Security 13 (Fall 1988), pp. 124-63; and Stein, "Political Learning by Doing."

93. The availability heuristic...Prospect Theory," and "Prospect Theory and International Relations: Theoretical Applications and Analytical Problems," Political Psychology 13 (June 1992). pp. 171-86 and 283-310, respectively.

102. Bismarck suggested a more nuanced...

...documents. See Philip E. Tetlock, "Integrative Complexity of American and Soviet Foreign Policy Rhetoric: A Time Series Analysis," Journal of Personality and Social Psychology vol. 49, no. 6, 1985, pp. 1565-85...

...and Allison Astorino, "The Cognitive Structure of Peacemaking: Egypt and Israel, 1970-1978," Political Psychology 13 (December 1992), pp. 647-62. Cognitive mapping techniques might also be useful. See Alastair Iain...

00844427 94-93819

**On the contribution of technology shocks to business cycles**

Aiyagari, S Rao

Federal Reserve Bank of Minneapolis Quarterly Review v18n1 pp: 22-34

Winter 1994

**ISSN:** 0271-5287 **Journal Code:** FMQ

**Word Count:** 9445

**Text:**

...has the following implications:

\* Under the standard assumptions of competitive markets, no external economies of scale, and no measurement errors,

\* Either the contribution of technology shocks must be large (at least 78 percent), or the...

...can be lower than 78 percent under alternative assumptions involving imperfect competition, external economies of scale, overtime wage premiums, and measurement errors (especially systematic errors in measuring labor input) while still resulting in correct predictions for the productivity/labor input...

...us call this ratio 0.

How would one defend the calculated value of 0 as plausible? One possibility is to compare the model's predictions for the price/output correlation and...

...fluctuation. Therefore, there is no way to judge if the calculated value of 0 is plausible or not. Further, given that the model is missing some quantitatively significant shocks, it would...in the data. Since this is often not possible, it is difficult to evaluate the plausibility of these models and thereby defend the contribution of technology shocks implied by them.

The...thought of as the decision rule for labor input resulting from some dynamic equilibrium model. (13) The specification in (2) is quite general (except for the log-linearity) since labor input...

...and (9), I can derive the following expressions for  $\pi$  and  $\sigma$ :

(12) (Equation omitted)

(13) (Equation omitted)

If I have a value for the parameter  $\alpha$  in (1), then equations (12) and (13) can be used to find values of  $\gamma$  and  $q$ , such that the resulting values...

...If nontechnology shocks were the only source of fluctuations, then (Equation omitted), and (12) and (13) would imply that (Equation omitted). If returns to labor input are diminishing so that  $\alpha$ ... were the only source of fluctuations, then  $\phi = 1$  and  $q = 0$ , and (12) and (13) would imply that  $\rho = 1$  and (Equation omitted). (15)

In the general case, the values of  $\gamma$  and  $q$  calculated using (12) and (13) can be used in (14) to calculate  $\phi^*$ , which provides a lower bound for  $\phi$ ...labor input correlation and the relative variability of labor

input. If labor input is measured accurately, unsystematic measurement error in productivity is introduced and the magnitude of the productivity/labor input...I have shown that under the standard assumptions of competitive markets, no external economies of scale, and no measurement errors, either the contribution of technology shocks must be large (at least 78 percent), or the...

...can be lower than 78 percent under alternative assumptions involving imperfect competition, external economies of scale, overtime wage premiums, and measurement errors (especially systematic errors in measuring labor input) while still resulting in correct predictions for  $\rho$  and  $\sigma$ . In...

...on a number of empirical questions concerning the extent of imperfect competition, external economies of scale, overtime wage premiums, and measurement errors in labor input and output. Consequently, in order to determine the exact contribution of technology...  
...some empirical evidence regarding these factors. More work along these lines, especially with regard to accurate measurement of output and labor input, is likely to be very useful in narrowing the...

...to imagine how such government policy shocks can contribute to welfare, it seems desirable to eliminate them entirely or at least follow appropriate procedures to minimize such policy shocks.

(3) For...marginal) maintenance expenditures, so that output net of maintenance expenditures is subject to diminishing returns.

( 13 ) One such example is Kydland and Prescott 1982, in which past leisure is used as...

...point estimates of  $\rho$  equal to -0.20 and -0.04, respectively (using slightly different time series). My own calculation, based on data from the first quarter of 1950 to the fourth...

...of 0.11 reported in Christiano and Eichenbaum 1990, Table 4a suggests that one cannot reject, at the 5 percent level, the hypothesis that  $\rho$  is zero.

(17) Hansen (1985) and...4a, of 0.11 and 0.06, respectively, along with the point estimates of -0.13 and 0.85, respectively.

(26) It is also possible to take account of sampling error...

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17/K/89 (Item 89 from file: 15)

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00815607 94-64999

**Hypothesis testing with near-unit roots: The case of long-run purchasing-power parity**

Dueker, Michael J

Federal Reserve Bank of St. Louis Review v75n4 pp: 37-48

Jul/Aug 1993

ISSN: 0014-9187 Journal Code: FSL

Word Count: 6241

**Abstract:**

...the null that it fails. Tests of both null hypotheses show that frequently neither is rejected for monthly data from 5 major industrialized countries. This result serves as a caution against testing only one null hypothesis, finding that the null hypothesis cannot be rejected for a broad set of countries and concluding that there is robust evidence for or...

**Text:**

...all countries. The sequence of events by which deviations from purchasing-power parity would be eliminated can best be illustrated by example: If the dollar could purchase more goods in other...

...Hence this paper contains tests of both null hypotheses and shows that frequency neither is rejected for monthly data from five major industrialized countries. This result serves as a caution against testing only one null hypothesis, finding that the null hypothesis cannot be rejected for a broad set of countries and concluding that there is robust evidence for or...

...but not if it has a unit root. Previous tests have shown little power to reject whichever of the two null hypotheses is employed. Tests whose null hypothesis is that the real exchange rate contains a unit root generally fail to reject, whereas tests whose null is that long-run PPP holds also often fail to reject. These disparate findings are reconciled, however, if there is long memory in the real exchange rate, which enables both acceptance and rejection of long-run PPP at conventional significance levels.(2)

This paper employs long-memory models...

...order of integration on a continuous scale is that we can confirm that long-memory time series behavior in real exchange rates is a possible source of the discrepancies between previous tests...of nontradeables, because wholesale price indexes can fail to reflect the underlying rate of inflation accurately.(3) The fourth source of failure, sticky prices, can best be explained by an example...

...monthly data and consumer prices and find that the unit-root null hypothesis cannot be rejected. They also examine whether the real exchange rates are cointegrated with factors thought to determine...

...cointegrating vectors, in which long-run PPP is the null hypothesis, and generally fail to reject long-run PPP.(5) Thus the studies of Coughlin and Koedijk (1990) and Cheung and...

...in the nominal exchange rate will be examined.

BACKGROUND ON LONG-MEMORY MODELS

For many time series, autoregressive moving-average (ARMA) models serve as a parsimonious way to summarize the autocovariance structure...to spurious changes in the mean of the real exchange rate and bias tests toward rejection of long-run PPP. To minimize the possibility of spurious

rejections of long-run PPP, the real exchange rate was calculated by estimating a fractionally cointegrating...1, where  $b$  is the order of integration of the real exchange rate, is not rejected; the alternative null hypothesis that PPP fails is not rejected if the null that  $b \geq 1$  is not rejected. Using the fractional ARMA model, it is easy to test both null hypotheses and show...

... $b < 1$ , where  $b$  is the order of integration of the real exchange rate, is rejected for only two of the six pairs: United States/Japan and Britain/Japan. These are the significantly negative  $t$ -statistics in table 1. Thus long-run PPP is not rejected as a null hypothesis in four of six cases. If we reverse the null, however, we can reject the null that  $b \geq 1$  for only one pair: Britain/Germany.(12) This is the...

...of real exchange rates are often close enough to one that neither null hypothesis is rejected. This explains some discrepancies between past tests of long-run PPP. Coughlin and Koedijk (1990) used Dickey-Fuller unit-root tests on real exchange rates and could not reject the null that long-run PPP fails to hold. Cheung and Lai (1993b), on the other hand, tested the null that long-run PPP holds and did not find many rejections of long-run PPP. The results from the long-memory model reconcile these findings.

The...

...that the nominal exchange rate has a lower order of integration than the price ratio.( 13 ) For Britain/Japan the point estimate of the order of integration is 1.15 for...integration of the real exchange rate, then the null that  $b \geq 1$  is difficult to reject, in which case one would presume that long-run purchasing-power parity does not hold. When the null is that  $b < 1$ , we also find few rejections, so long-run PPP apparently holds. When this type of ambiguity appears, it is helpful to estimate the order of integration on a continuous scale. The fractional ARMA models presented here do this and the standard errors on  $b$  for the six real exchange rates studied show that even if  $b < 1$ ...

...Long memory, as will be discussed later, means that the order of integration of a time series process is greater than zero. If the order of integration is greater than 0.5...

...Frankel and Jones (1990).

5 Provided that the hypothesis of zero cointegrating vectors has been rejected, the null hypothesis for subsequent hypothesis tests using the Johansen procedure is that there is...

...for data in logs imply that the growth rates of the series have long memory.

13 An order of integration above one for variables in logs means that the growth rates...the parameterized model. For the fractional ARMA model in equation (8), the spectral density equals

( 13 ) (Equation omitted)

where  $A$  and  $B$  are polynomials defined in equations (9) and (10). The...

...the parameterized model. For the fractional ARMA model in equation (8), the spectral density equals

( 13 ) (Equation omitted)

where  $A$  and  $B$  are polynomials defined in equations (9) and (10). The...

...Rate?" this Review (January/February 1990), pp. 36-48.

Dahlhaus, Rainer. "Small-Sample Effects in Time Series Analysis: a New Asymptotic Theory and a New Estimate," Annals of Statistics Volume 1b, 1988 ...

...pp. 1749-66.

Dickey, David A., and Wayne A. Fuller. "Likelihood Ratio Statistics for Autoregressive Time Series with a Unit Root," Econometrica (July 1981), pp. 1057-72.

Diebold, Francis X., and Glenn...and Murad S. Taqqu. "Large Sample Properties of Parameter Estimates for Strongly Dependent Stationary Gaussian Time Series," Annals of Statistics (Volume 14, 1986), pp. 517-32.

Granger, C.W.J. "Developments in...

...J., and Roselyne Joyeux. "An Introduction to Long-Memory Models and Fractional Differencing," Journal of Time Series Analysis (Volume 1, 1980), pp. 15-29.

Hakkio, Craig S. "Does the Exchange Rate Follow...

...February 1993), pp. 46-61.

Sowell, Fallaw. "Maximum Likelihood Estimation of Stationary Univariate Fractionally Integrated Time Series Models," Journal of Econometrics (July-September 1992a), pp. 165-88.

--. "Modeling Long-Run Behavior with...

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17/K/90 (Item 90 from file: 15)

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00807261 94-56653

**Reassessment of expectations as a comparison standard in measuring service quality: Implications for further research**

Parasuraman, A; Zeithaml, Valarie A; Berry, Leonard L

Journal of Marketing v58n1 pp: 111-124

Jan 1994

**ISSN:** 0022-2429 **Journal Code:** JMK

**Word Count:** 11291

**Text:**

...their experience with that specific type of service organization.

Though the first sentence in this quote is consistent with the distinction we have made between comparison norms in assessing SQ and...



...Figure 1. (Figure 1 omitted) Unfortunately, C&T's Figure 1 is not a totally accurate depiction of our prior findings pertaining to SERVQUAL (PZB 1988) because it does not allow...SERVQUAL and SERVPERF also suggests that the former could be a richer construct that more accurately represents the multifaceted nature of SQ posited in the conceptual literature on the subject (Gronroos...other than, or in addition to, factor analyses can and should be used to understand accurately the dimensionality of a complex construct such as SQ. As we have argued in another...

...rather than the respondents' inability to distinguish conceptually between the dimensions in general--is a plausible explanation for the diffused factor patterns. To illustrate, consider the following SERVQUAL items:

\* Employees at...particularly because SQ and CS themselves are highly correlated. Such an inference is much more plausible and justified than C&T's conclusion that only CS has a significant effect on...

...SERVQUAL vis-a-vis SERVPERF is, Are managers who use SQ measurements more interested in accurately identifying service shortfalls or explaining variance in an overall measure of perceived service? (Explained variance...

...due to shared method variance.) We believe that managers would be more interested in an accurate diagnosis of SQ problems. From a practical standpoint, SERVQUAL is preferable to SERVPERF in our...

...Though his conclusion has merit, several assumptions underlying his arguments must be reexamined to assess accurately the severity of the problem.

The P-E specification is problematic only for certain types...of the variance in the SERVQUAL E and E\* measures is the result of measurement error induced by respondents misinterpreting the scales." As discussed subsequently, both conclusions are problematic. The purpose of the follow-up interviews in...invoked by the EP formulation. As his Table 4 reveals, only 151 non-7 ratings (13 % of the total 1200 ratings) were obtained for the ideal point (I) scale, prompting him...

...the ideal point measure than it was for the expectations measures." Ironically, this observation, though accurate, appears to go against the classic ideal point attribute assumption because the fact that only 13 % of the ratings were less than 7 seems incompatible with that assumption. If the service...is an especially attractive alternative--as we pointed out previously, this scale format is a plausible explanation for the consistently superior performance of the EP formulation.

#### DIMENSIONALITY OF SERVICE QUALITY

As...

...a research avenue would be more appropriate for advancing our understanding of SQ than hastily discarding the multidimensional nature of the construct.

The potential drawback pointed out previously of using factor...Toward a Model of Consumer Post-Choice Response Behavior," in *Advances in Consumer Research*, Vol. 13, Richard L. Lutz, ed. Ann Arbor, MI: Association for Consumer Research. Gerbing, David W. and...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/91 (Item 91 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00802373            94-51765

**On the limitations of comparing mean square forecast errors Comments**

**Reply**

Clements, Michael P; Hendry, David F; Baillie, Richard T; Diebold,  
Francis X; et al

Journal of Forecasting v12n8 pp: 617-676

Dec 1993

**ISSN:** 0277-6693 **Journal Code:** JOF

**Word Count:** 26381

**Abstract:**

Linear models are invariant under non-singular, scale -preserving linear transformations, whereas mean square forecast errors (MSFE) are not. Different rankings may result across models or methods from choosing alternative yet...

**Text:**

Mean square forecast errors (MSFEs), or their square roots are often used for forecast comparisons across alternative models or...

...forecast comparisons, see Engle and Yoo (1987), Brandner and Kunst (1990), and Chambers (1991). Generally, scalar MSFEs are reported, and for scalar variables the concept of MSFE is unambiguous, although its application to multi-step forecasts is...

...a number of criteria based on the MSFE matrix (the second moment matrix of forecast errors ) are possible, although the trace of the MSFE matrix (TMSFE) is the most commonly applied...

...linear models. This arises because of a lack of invariance of MSFEs to non-singular, scale -preserving linear transforms, for a model class that is itself invariant to such transforms. It is obvious that mean absolute errors (MAEs: see Burns, 1986) are not invariant either across isomorphic model representations, and hereafter are...

...the process.

In the fourth section we demonstrate that the alternative criterion of generalized forecast error second moment (GFESM) is invariant to non-singular, scale -preserving linear transformations for all forecast horizons. The GFESM is the determinant of the forecast error second moment matrix pooled across all horizons. The properties of the GFESM are

examined and...

...ranking across models or methods and highlights the key role played by one-step forecast accuracy, even when the objective is to forecast for longer horizons.

In the fifth section that...

...discusses forecast encompassing, which concerns whether the forecasts of one model can explain the forecast errors made by another (see Chong and Hendry, 1986). Forecast encompassing is formally equivalent to the...

...and Newbold (1973) and to the general form of the test for combining econometric and time series models in Nelson (1972). As established by Lu and Mizon (1991) and Ericsson (1992), MSFE...

...parameter encompassing (see Hendry and Richard, 1982). However, forecast encompassing is invariant to non-singular, scale-preserving linear transforms and entails both MSFE and GFESM dominance for one-step forecasts, so...used in forecast evaluation, forecast comparisons across models, and in simulation studies to assess forecast accuracy as noted above.

In this section, we assume that all the processes under analysis are...

...is (equation omitted) for all  $h$ . A commonly used approach is to measure system forecast accuracy using the trace of this matrix. Thus, the  $h$ -step ahead trace MSFE is trace...

...conditional expectation has the minimum one-step MSFE (which coincides with the MSFEM in the scalar case). Subsection (b) formalizes the class of isomorphic linear systems. Then (c) and (d) provide examples which address the applicability of the TMSFE and MSFEM to forecast errors (question (1) above). The example in (c) is a first-order, scalar autoregressive process where there is no parameter uncertainty, illustrating the lack of invariance of TM...

...In (d) we show that TMSFEs and MSFEMs cannot be applied to one-step forecast errors from systems where outcomes for different combinations of variables are reported. The next two sub...

...can be altered by switching from one isomorphic representation to another. That is, whether forecast accuracy is assessed in terms of levels or differences can affect which estimator, method, or model is selected. Sub-section (f) shows that the MSFEM is not invariant to non-singular, scale-preserving transformations for multi-step forecasts.

(a) MSFEs and conditional expectations

One basis for MSFEs... $t + 2$  (12)

and hence using the conditional expectation (equation omitted), the MSFE is:

(Equation 13 omitted)

which is larger (smaller) than equation (11) as  $\rho < 1/2$  ( $> 1/2$ ). Consequently...

...reports  $\text{tr}[V_{\text{sub } 1}(\text{ob})]$  (combinations of levels and differentials), no comparisons of forecast accuracy are possible.

As a precursor to the fourth section, note that the determinant of the...

...This measure naturally reveals that the two representations of the system are isomorphic, and forecast accuracy results are comparable irrespective of the transformations  $M$  and  $P$  used in equation (6). The...are used. Despite using the 'complete' MSFE matrix, it matters for appraising multi-step forecast accuracy which isomorphic representation of the system is selected: investigators could find one system performing better...representation of the variables.

Let  $x_{sub\ t}$  be the  $N \times 1$  vector of time - series variables, (equation omitted). Then a linear dynamic system with  $p$  lags can be written as...

...27 omitted)

In equation (26), (characters omitted), where (characters omitted) and (characters omitted).

The forecast accuracy of the alternative estimators can be assessed in terms of  $x_{sub\ t}$  or  $\Delta x_{sub\ t}$ ...

...One of the main claims of this paper is the inadequacy of measures of forecast accuracy that are sensitive to the choice of  $x_{sub\ t}$ ,  $\Delta x_{sub\ t}$ ,  $w_{sub\ t}$ ...

...and Yoo (1987),  $\Psi = 0$  and constants were not estimated. They compared the multiperiod forecast accuracy for  $x_{sub\ t}$  of UV with EG, and we could reproduce all relevant respects...

...common cointegrating vector, although the cointegrating parameter and speeds of adjustment differ here, with the 'error -correcting' behaviour being quantitatively more important in Engle and Yoo's DGP. The variances of the independent, standard normal disturbances affect the scaling of the MSFE calculations but are otherwise irrelevant.

Table I of Engle and Yoo (1987...

...advantage is increasingly with EG as the horizon lengthens, rising to an increase in forecast accuracy of over 40% after 20 periods. (Table 1 omitted) We find little to choose between...UV estimator dominates EG for all forecast horizons, with the gains coming from the improved accuracy of UV in predicting the cointegrating combination. These results are illustrated graphically in Figures 1...

...predict the differences of the variables ( $\Delta x_{sub\ t}$ ) with approximately the same degree of accuracy (panel C of Table I).

Intuitively, the EG estimator ties the forecasts of  $z_{sub\ t}$ ...

...OF FORECAST PERFORMANCE

Differencing and cointegration transformations are members of the general class of nonsingular scale -preserving linear transformations applicable to a linear dynamic system such as equation (24). If unique forecast accuracy rankings are to result from using any criterion, then that criterion must be invariant across...

...from  $x_{sub\ t}$  to (characters omitted) where  $M = 1$ . The  $h$ -step ahead forecast errors resulting from  $x_{sub\ t}$  and (characters omitted) are denoted by  $u_{sub\ t}$  and...by  $f(p, X_{\theta})$ . In predicting  $p$ ,  $\theta$  become nuisance parameters and must be eliminated from the prediction rule. The approach adopted above corresponded to eliminating  $\theta$  by replacing it by an estimate (character omitted) and when (character ...MSFE is neither

necessary nor sufficient for a model to have constant parameters, or provide accurate forecasts, both of which one might deem vital concerns for a model to be used in policy. Further, in scalar processes, one-step MMSFE is not sufficient to ensure forecast encompassing although it is necessary...

...Lu and Mizon (1991) who also discuss the relative merits of, and relations between, forecast error encompassing test statistics and parameter constancy tests. Here we are only concerned with showing that forecast encompassing is invariant to non-singular scale-preserving transformations.

Tests for forecast encompassing concern whether the one-step forecasts of one model can explain the forecast errors made by another. Such tests were proposed as a feasible way to evaluate large-scale econometric models by Chong and Hendry (1986), who establish that any need to pool forecasts...

...forecasts. A forecast is said to be conditionally efficient if the variance of the forecast error from a combination of that forecast and a rival forecast is not significantly less than...

...Forecast encompassing (and therefore conditional efficiency) was originally intended to evaluate the forecasts from large-scale macroeconometric models for which standard methods may not be operational, and is not, in general...is required to avoid conflicts.

#### SUMMARY AND CONCLUSIONS

Linear models are invariant to non-singular, scale-preserving linear transforms but mean square, and mean absolute, forecast errors need not be. Consequently, different rankings across models or methods can be obtained from various...

...because MSFE rankings can be an artefact of the linear transformation selected. A generalized forecast error second moment criterion is proposed which is invariant to non-singular, scale-preserving linear transformations and which highlights the key role of one-step forecast accuracy.

Forecast encompassing is also invariant to non-singular, scale-preserving linear transforms and entails minimum...

...throughout the paper. It typifies the common practice of basing comparisons on what are essentially scalar measures even in a multivariate setting. Wallis et al. (1987, p. 77) is typical: given a vector of forecast errors for different variables,  $e$ , the quadratic form (characters omitted) is constructed, where  $K$  is a...

...to be a diagonal matrix' (p. 77) so no adjustments are made for correlated forecast errors. Second, there is explicit recognition of the fact that no comparisons between modelling teams can...Applied Economics, 5 (1973), 35-47.

Granger, C. W. J. and Newbold, P., Forecasting Economic Time Series, New York: Academic Press, 1977.

Hendry, D. F., 'The role of prediction in evaluating econometric...

...Change, Analysis and Forecasting, Berlin: Springer-Verlag, pp. 123-38, 1991.

McNees, S. K., 'The accuracy of macroeconomic forecasts', in Klein, P. A.

(ed.), Analyzing Modern Business Cycles, London: M. E...

...of the basic points made by Clements and Hendry (CH) is that measurements of forecast accuracy, such as RMSE, can change under transformations of the variables being predicted. While this is...

...and symmetric forecast loss functions.

In many cases the most sensible metric to compare forecast accuracy will appear straightforward. For example, we may have strong a priori reasons (probably statistical pretesting...future volatility and the adequacy of variants on Black-Scholes can be measured by the accuracy of these different forecasts of future volatility. This may vary depending on the proximity of...

...of Econometrics, 21 (1983), 333-55.

Diebold, F. X. and Mariano, R. S., 'Comparing predictive accuracy I: an asymptotic test', University of Pennsylvania discussion paper, 1991.

Ding, Z., Engle, R. F...loss function.

The paper begins by asserting that 'linear models are invariant under non-singular, scale-preserving linear transformations, whereas mean square forecast errors are not.' We must examine this carefully; it seems very damaging for all MSFE comparisons...is frequently what happens in practice: one model predicts the growth rate of GDP most accurately; another model produces more accurate forecasts of the unemployment rate. In such cases CH suggest the use of the determinant...on model testing--that once a model is found to be 'misspecified' it must be discarded, because it would be dominated by a mythical Holy Grail, the All-Encompassing Model, formerly...

...being offered less than the single All-Encompassing Model, people who should use models will discard all explicit econometric models and rely solely on their seat-of-the-pants intuition, unsupported...and two further examples spring to mind. Basing a test for structural change in a time-series model on forecast errors up to H steps ahead, Box and Tiao (1976) show that...

...3). Further, in discussing characterizations of Granger-causality, Pierce (1975) has shown that if a time series is helpful in predicting another H steps ahead, it will also be helpful one step...post-sample check on model adequacy. Suppose Hendry and I were invited to forecast two time series --monthly sales of coconuts in Australia and annual rainfall in the Andes. Hendry's greater...

...be predicted, and however far ahead it is to be predicted, the forecasts be as accurate as possible. I wonder how sanguine are some recent Chancellors on the question of whether...

...of forecast and actuality', Applied Statistics, 25 (1976), 195-200.

Lutkepohl, H., Introduction to Multiple Time Series Analysis, Berlin: Springer-Verlag, 1991.

Pierce, D.A., 'Forecasting in dynamic models with stochastic regressors...

...premise of this paper, which I take to be the desirability of measures of forecast accuracy that are invariant to reasonable changes in the forecasting problem. However, because the paper fails...to consider in more detail the very special case that  $z_t$  is a scalar random walk. In this case the optimal forecast of  $z_{t+h}$  is  $z_t$ ...

...differences are iid the WIMSFE criterion considers the expected sum of squares of the forecast errors in differences; the choice between levels and differences is determined by the differences and not...

...when  $z_{sub t}$  is a general  $I(1)$  process; one may suppose that forecast errors of differences are more reasonable to combine over forecast horizons than forecast errors of levels.) Similarly, the determinantal criterion GMSFE multiplies together rather than adds the expected squares of the forecast errors for the differences at different horizons.

These measures, like any measure of forecast accuracy, may depend on the choice of the forecasting horizon  $h$ . An interesting question raised but... because usually 'trade-offs between possibly correlated forecast errors are ignored'-words omitted from their quote from Wallis et al. (1987, p.77), who go on to say 'the choice of...

...a criterion that allows a unique ranking of competing forecasts. So does any non-trivial scalar function of  $V$ , but the particular advantage claimed for  $\det V$  is the invariance of...

...a Chancellor who cares more about inflation than unemployment that a forecast with larger inflation errors should nevertheless be used because it has a smaller  $\det V$  is making statistics the...

...a relatively small number of important variables, rather than the complete output of a large-scale macroeconomic model, although the selection may distort the comparison. Rather than reduce the available information...

...non-diagonal  $K$  matrix, which allows for tradeoffs in the loss function between the forecast errors of different variables. In our forecast comparisons the reporting of results for both the level...

...than when comparing predicted change and actual change' (Granger and Newbold, 1977, p. 283). The errors in the one-step-ahead forecasts of levels and growth rates are obviously ...than one due to the growth rate transformation, which is also subject to an initial error since 'current' output is itself a forecast, given lags in data production. For these two ...

...Institute of Economic and Social Research (NIESR). As Clements and Hendry describe, each measure is scaled by the average for a given variable over the groups. If one group's diamond...

...crossovers illustrate the common finding that there is no such overall ranking. With the forecast errors scaled as in the figure, the values of the  $\det V$  criterion are LBS: 0.058...

...Hendry's Monte Carlo world of known linear DGPs and the practical world of large-scale econometric models. These are systems of estimated equations, and even in the linear case forecast...

...the marginal distribution of outcomes, which is the optimal forecast with respect to an absolute error loss function. Use of the deterministic forecast and mean absolute error measures of performance, such as those published with each UK Treasury forecast, might then be...

...of two stage least squares restricted reduced forms--the finite sample case', International Economic Review, 13 (1972) 757-61.

Sargan, J.D., 'The existence of the moments of estimated reduced form 7) to

( 13 ),  $x_{sub t} = \rho_{hox sub t - 1} + u_{sub t}$ . Then when forecasting  $\Delta x_{sub \dots}$

...their calculations for an  $I(0)$  transformation of the variables. Thus, we assessed the forecast accuracy of their two methods for the stationary components consisting of the change in one of...MSFE is seen to depend crucially on the transformation of the variables for which forecast accuracy is assessed. It was to circumvent switches of rankings such as this that we undertook...forecast horizon increases. Given the investigators objective, it is immaterial that a comparison of forecast accuracy for changes at two-steps ahead leads to a different ranking. West argues persuasively that...in MSFEM, highlight the role any choice of co-ordinate system could play in judging 'accuracy'.

Third, to help in understanding the properties of GFESM, we demonstrated that in correctly specified...

...for forecast-evaluation purposes. If rival models predict some elements of  $x_{sub t}$  more accurately, then one should consider if there is something to be learnt from those models. We...from doing so. A major point of general-to-simple methods is that they never reject all contenders. We accept that there is more than one way to understand such a...

...not specific to GFESM.

(3) In Schmidt's example of predicting the differences of a scalar random walk with an innovation error, GFESM multiplies the forecast error variances across horizons, so that under homoscedasticity,  $GFESM_{sub h} = \Delta x_{sup 2h}$ . This suggests...

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17/K/92 (Item 92 from file: 15)

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00796905 94-46297

**Case survey methodology: Quantitative analysis of patterns across case studies**

Larsson, Rikard

Academy of Management Journal v36n6 pp: 1515-1546

Dec 1993

**ISSN: 0001-4273 Journal Code: AMA**

**Word Count: 12429**

**Text:**

...to code the same cases and assessing the extent to which they agree. All this eliminates some of the ...of quantitative and qualitative methods, substantial integration of fieldwork and survey methods has been rare ( Tick, 1979). Case surveys can contribute to this triangulation, which "heightens qualitative methods to their deserved...had the top executives of the case firms comment on the adequacy of specific case quotes and the general validity of the case. Miller and Friesen (1980a, 1980b)



subsequently used a...

...the most correct codes. This is a superior way to correct coding mistakes since it eliminates influence from the least correct codings. Coding errors affect average scores, and majority interpretations are... made.

Ninth, validity tests have been limited to Miller and Friesen's (1977, 1980a, 1980b) accuracy questionnaire and subsequent hybrid designs, which Manimala (1992) also used, and Calingo's (1989) correlations...typically been limited to only one of these issues. Given that mergers and acquisitions may plausibly go wrong as a result of problems concerning any one or combination of these three...

...reported. If there are two case studies of the same empirical occurrence, one should be discarded or both should be combined in one set of codings to avoid counting the occurrence...

...selection. Consequently, a number of collected and coded cases with initially overrepresented characteristics is then discarded to avoid sample bias and better allow for statistical generalization. In this way, representativeness in...the risk of low interrater reliability, using three raters improves the extraction of information by eliminating mistakes and single-minded interpretations and enabling majority votes to resolve discrepancies. Second, the designer...

...raters with equal information.

Finally, percent absolute agreement discriminates against the use of more detailed scales by not adjusting for the increased probability of chance agreements with fewer categories and ignoring different discrepancy magnitudes for ordinal, interval, and ratio scales. Miller and Friesen (1977) compensated for these problems by computing interrater reliability using similar agreements (those within one point) on their seven-point scales. The consensus resolution approach is a preferable solution because it allows for subsequent collapsing of scales until reliable distinctions can be made. Furthermore, this approach offers the information-enhancing feature of detecting and correcting such coding mistakes as clerical errors, unintentional omissions, and simple misreadings of text and scheme. Normally, coding mistakes are prevented by...

...interrater reliability for all variables and all 11 raters was an APPA of 49.6. Elimination of the author raters resulted in an equal information reliability of an APPA of 52.8. Further elimination of identified mistakes through the multirater-consensus resolution design and collapse of the five-point...

...and the other raters, respectively. Whereas the author codes were favored against the majority almost 13 times per case, other raters were favored against the majority less than once per case...The case survey methodology offers a complementary way of nomothetically using idiographic findings without either discarding the benefits of one of the two approaches or suffering from their weaknesses. The method...S. 1985. How to achieve integration on the human side of the merger. *Organizational Dynamics*, 13 (3): 41-56.

Brewer, I., & Hunter, A. 1989. *Multimethod research: A synthesis of styles*. Newbury...  
...through corporate renewal. New York: Free Press.

Hitt, M. A., Hoskisson, R. E., Ireland, R. D., & Harrison, J. S. 1991. Effects of acquisitions on R&D inputs and outputs. *Academy of...*

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**Dialog eLink:**

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00783365

94-32757

**Comparing the modeling performance of regression and neural networks as data quality varies: A business value approach**

Bansal, Arun; Kauffman, Robert J; Weitz, Rob R

Journal of Management Information Systems: JMIS v10n1 pp: 11-32

Summer 1993

ISSN: 0742-1222 Journal Code: JMI

Word Count: 7611

**Abstract:**

...analysis. Two main results are: 1. Linear regression outperformed neural nets in terms of forecasting accuracy , but the opposite was true when the business value of the forecast was considered. 2. Neural net-based forecasts tended to be more robust than linear regression forecasts as data accuracy degraded. Managerial implications for financial risk management of mortgage-backed security portfolios are drawn from...

**Text:**

...can help a decision maker to design an appropriate information system in terms of predictive accuracy and payoff considerations. Model performance comparisons often presume perfect data--a presumption arguably more appropriate...

...available via commercial sources. In this work, model performance is evaluated based on a traditional accuracy metric,  $R^2$  , and on a payoff measure developed as part of this research...

...trade-offs between the business value of improved decisions resulting from the use of more accurate data, and of the cost of obtaining such data.

This paper is organized as follows. Section 2 examines how empirical research in a variety of disciplines has dealt with data accuracy , and the kinds of conclusions that have been reached regarding the relationship between data accuracy and forecast performance. We also review research that compares the performance of regression and neural...

...results provide a basis for comparing their forecasting performance. Section 5 discusses the forecasting systems' accuracy and payoffs, and then develops a specific metric for payoff in the context of MBS...

...ALTERNATIVES

Data quality can be described in terms of a number of dimensions, including frequency, accuracy, and response time. In general, a model performs better the more frequent and the more accurate the data, and the shorter the time to obtain it.

## 2.1. INFORMATION ECONOMICS, ACCOUNTING...

...in various decision settings have been developed in the accounting literature, too. For example, Cushing[13] examined the effects of propagation of errors in internal control systems. And Ijiri and Itami...

...A stream of research in finance emphasizes the importance of high-quality data to make accurate predictions about future financial performance. For example, Beaver[10] emphasized the importance of data frequency...

...In recent work we attempted to examine how such data quality variations (especially frequency and accuracy) affect the predictive accuracy and business value of a financial risk management forecasting system[7].

2.2. ALTERNATIVE FORECASTING...requires judgment, and trial and error. Neural nets typically have been shown to produce more accurate predictions with good-quality data than regression models, but the literature does not indicate empirically...

...services from firms such as Reuters, Telerate, ILX, Nikkei, and Dow Jones[5, 33]. These "quote vendors" consolidate data from the exchanges, from central banks worldwide, and from other governmental or...

...that have been shown to be useful predictors of prepayments. Claims for MBS prepayment forecast accuracy in terms of model  $R^2$  as high as 99 percent have been...Senior managers at our research site indicated that they expected variations in both the predictive accuracy and payoffs from the use of increasingly inaccurate data.

## NEURAL NETWORK RESULTS

The input data...

...and error.(5) We used a commercially available package called Neuralware professional.(6) The predictive accuracy of the forecast, stated in terms of  $R^2$ , was 67.9 percent. The...

...value to an MBS portfolio manager from use of a forecasting system.

## 5.1. MEASURING ACCURACY AND BUSINESS VALUE

The predictive accuracy of a forecasting system can be measured by several different statistical indicators. Here we use...each combination of fraction and amount were evaluated in terms of two different metrics: predictive accuracy and payoff. Hereafter, we refer to the two sources of simulated data inaccuracy as fraction...

...which had 0 percent for both fraction-error and amount-error).

## 7. SIMULATION RESULTS

Predictive accuracy results in terms of  $R^2$  for the forecasts, based on the simulated inaccuracies...

...tested for the effects of amount-error and fraction-error, first in terms of predictive accuracy ( $R^2$ ), and then on the basis of payoff

(DIHR) for each model. We...

...with the forecast from the neural net model. For regression, in statistical terms, we have rejected the hypothesis that payoff is unaffected by increases in data inaccuracy; the alternate appears to be true. However, we cannot reject the hypothesis that payoff is unaffected by the amount of data inaccuracy when a neural...  
...The ANOVA results indicate for each model which factor is significant in terms of predictive accuracy. For example, the results indicate that as fraction-error increases from 4 percent to 8...net model.

Besides separately examining the robustness of the individual models with respect to data accuracy, it also is of interest to compare the relative performance of the linear regression and...

...their problem. An implicit assumption is that the data used for modeling and prediction are accurate, and that the data, irrespective of quality (i.e., frequency, accuracy, timeliness), are cost-free.

#### 8.1. DISCUSSION AND MANAGERIAL GUIDELINES

The first assumption was relaxed in this research: the effects of both forecast method and data accuracy were examined in terms of predictive performance. Predictive performance was gauged by a traditional metric...

...hedge ratio (DIHR). The latter provides a realistic yardstick of the benefit of improved predictive accuracy for forecasting prepayments in MBS portfolio management.

#### PREDICTIVE ACCURACY VERSUS PAYOFF

The results of the previous section indicate that for this application, the predictive performance of linear regression, as measured by both predictive accuracy and payoff, suffers as data accuracy degrades. A similar effect is observed for neural nets when predictive accuracy is measured by  $R^2$ , but only with respect to changes in amount-error...

...range of degradation examined in our experiment. This research therefore illustrates an instance where less accurate, and typically less expensive data may provide results equivalent to those obtained with more accurate and expensive data.

#### LINEAR REGRESSION VERSUS NEURAL NETS

One important overall conclusion for the MBS...

...creating hedged positions to guard against prepayments, and in circumstances where data costs vary with accuracy, we can conclude that the better approach is to use a neural net model--at...

...was large and rich, the results of this research were derived in a highly specialized domain of business, MBS prepayment predictions. It is possible that in other applications, and for other...

...simulated data inaccuracies in the forecasting data. If the simulation allowed for biased or skewed errors, it is possible that different results would have been obtained. A third caveat concerns the...J. The yield on insured residential mortgages. Explorations in Financial Research (Summer 1974), 114-161.

13 . Cushing, B.E. A mathematic approach to the analysis and design of internal control systems...

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17/K/94 (Item 94 from file: 15)

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00777183 94-26575

**A computerized system for forecasting spare parts sales: A case study**

Snyder, R D

International Journal of Operations & Production Management v13n7 pp:

83-92

1993

ISSN: 0144-3577 Journal Code: IJO

Word Count: 4181

**Abstract:**

...the forecasting method, a refinement of exponential smoothing, together with a method for monitoring forecast errors, are outlined. Experiences in developing, implementing, and operating the system are described. In the forecasting project, problems associated with the scale of the operations and paucity of data were encountered. The response was to implement a...

...based on the classical t-distribution, exploiting the orthogonality of the one-step ahead forecast errors from the Kalman filter, was successfully developed and implemented. Overall, the experience proved to be...

**Text:**

...The only cost-effective approach was a computerized forecasting system based on methods from statistical time - series analysis.

It was recognized, however, that a total reliance on automated forecasts was not entirely...

...be quite common in the marketplace, diminish the information value of historical data on which time series approaches are based and hence can create situations where automated forecasts are quite incompatible with...

...daily operations of order entry systems so as to avoid the distorting effects on the time series forecasts. Thus the system depicted in Figure 1 was established with a subsystem to monitor...

...STATISTICAL FRAMEWORK

For a system like this there is, potentially, a wide range of statistical time series methods from which to choose. Seasonal methods were rejected because most automobile parts fail to display significant seasonal effects. Growth curve approaches based on exponential, Gompertz

and logistics functions and the like were rejected because the particular path followed by the sales of a part over its life cycle...model has its counterpart in the Box and Jenkins framework[2]. Differencing equation (1) to eliminate the local means, the following ARIMA(0,1,1) model is obtained:

(2) y sub...the size of the old forecasts across the range of their inventory to obtain more plausible results. Unfortunately management did not understand the need for this at the time because they...

...be severely underestimated when the dependence between monthly demand is ignored--see Johnston and Harrison[ 13 ] and Harvey and Snyder[14]. Consequently, since implementation, the company has probably operated with safety...

...its service level objectives.

#### CONCLUSIONS

In this forecasting project we encountered problems associated with the scale of the operations and paucity of data. The response was to implement a simple but...

...based on the classical t-distribution, exploiting the orthogonality of the one-step ahead forecast errors from the Kalman filter. Overall then, the experience proved to be of value in the...

...Prentice. Hall, Englewood Cliffs, NJ, 1985.

2. Box, G.E.P. and Jenkins, G.M., Time Series Analysis. ...S.G., "Initialization of Exponential Smoothing Forecasts", American Institute Of Industrial Engineering (AIIE) Transactions, Vol. 13 1981, pp. 199-205.

10. Burridgel P. and Wallis, K.F., "Prediction Theory for Autoregressive...

...D.W., "Monitoring a Forecasting System", Operational Research Quarterly, Vol. 15, 1964, pp. 271-4.

13 . Johnston, F.R. and Harrison, P.J., "The Variance of Lead Time Demand", Journal of...

...Vol. 37, 1986, pp. 303-8.

14. Harvey, A.C. and Snyder, R.D., "Structural Time Series Models in Inventory Control" International Journal of Forecasting, Vol. 47, 1985, pp. 272-6.

15...

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17/K/95 (Item 95 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00769615

94-19007

**Effects of continuance, affective, and moral commitment on the withdrawal process: An evaluation of eight structural equation models**

Jaros, Stephen J; Jermier, John M; Koehler, Jerry W; Sincich, Terry

Academy of Management Journal v36n5 pp: 951-995

Oct 1993

ISSN: 0001-4273 Journal Code: AMA

Word Count: 14187

**Abstract:**

...developed area, such as commitment-turnover research, causal analysis is illuminating only when alternate, theoretically plausible models are estimated and compared.

**Text:**

...quitting. Accordingly, this model specifies direct effects between the commitment variables and intent to search, eliminating thinking of quitting.

Model 6: Spurious correlation. This model represents the relationships among thinking of...

...when joint effects of the forms of commitment are controlled. If this model cannot be rejected, then the notion of causality among the withdrawal variables is suspect (cf. Bollen, 1989).

Model...5 respondents missed questionnaire items or did not leave the firm voluntarily and were thus deleted from the analyses.

Sixty-eight percent of the respondents were men. Their average age was... thinking of quitting, search intentions, and intent to quit. Although this support does not completely eliminate the possibility of common method variance bias, since the questionnaire method was used both times...as the perfect fit. Further examination of the model's residuals often reveals that the rejected model is adequate from a practical standpoint. Bollen (1989) showed that the value of the...in Table 8, reveal that all but two models, models 1 and 8, must be rejected (at  $\alpha = .01$ ) as perfect fits. In addition, model 6 cannot be rejected as a close fit on the basis of the RMSEA test. All the other models...

...criteria, model 8 is superior.

**A DETAILED ANALYSIS OF MODEL 8**

To summarize, we can reject neither the null hypothesis of perfect fit nor the null hypothesis of close fit for...

...components of model 8 was essential to establish its utility.

Normalized residuals. To check for outliers, we examined the normalized residuals, which are corrected for sample size and scaling differences, for the 325 unique elements of the sample covariance matrix. Only nine normalized residuals...

...percent) were less than one. The lack of a significant number of large residuals, or outliers, again suggests that model 8 adequately reproduces the observed covariance matrix.

Parameter estimates. Table 9...of beta sub 1 , given in Table 9.

On the basis of the asymptotic standard errors , approximate 95 percent confidence intervals for the effects of the latent variables on turnover were...

...Table 10, are interpreted as follows: A one-point increase on the latent continuance commitment scale leads indirectly to a decrease in the probability of leaving the organization between .118 and .218; a one-point increase on the latent affective commitment scale leads indirectly to a decrease in the probability of leaving the organization between .125 and .229; a one-point increase on the latent moral commitment scale leads indirectly to a change in the probability of leaving the organization ranging from -.070 to .022; and a one-point increase on the latent withdrawal tendency scale leads directly to an increase in the probability of leaving the organization between .234 and...affective commitment scale corresponded to a decrease in the probability of leaving of between roughly 13 and 23 percent. It was not possible to improve prediction of the probability of leaving...  
...understanding that have resulted from these traditions, they should now be seen as leading to plausible but not compelling ways to think about commitment-turnover processes.

This study has some limitations...

...developed area, such as commitment-turnover research, causal analysis is illuminating only when alternate, theoretically plausible models are estimated and compared.

#### APPENDIX

##### CONTINUANCE COMMITMENT(a)

(x sub 1 ) It would be...effects of regional policy instruments by means of linear structural equation models. Environment and Planning, 13 : 1435-1448.

Griffin, R., & Bateman, T. 1986. Job satisfaction and organizational commitment. In C. Cooper...in statistics from the University of Florida. His research interests include structural equation modeling and time - series forecasting applications.

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17/K/96 (Item 96 from file: 15)

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00762477 94-11869

**Institutions and agricultural economics**

Hagedorn, Konrad

Journal of Economic Issues v27n3 pp: 849-886

Sep 1993

ISSN: 0021-3624 Journal Code: JEI



**Word Count: 12560**

**Text:**

...effects of various political institutions on agriculture" [Schultz 1976, 17].

One year later, Schmitt also quoted Leontief to call attention to the problem of institutions in agricultural economics. He reminded us...

...and methodological techniques--which has been so successful in the case of agricultural issues so accurately described by Leontief recently--to the analysis of agrarian institutions" [Schmitt 1977, 280].

This call...

...a systematic place in agricultural economics. Such a change can only be expected if the domain just mentioned has become a systematic part of the theory actually used by agricultural economists...

...issues. Thus, those conceptions are essential preconditions for problem identification, a process of trial and error to obtain an adequate interpretation of reality, that is actively performed by individuals using and...of agricultural policy measures, but not with the problems of their practical implementation, was clearly rejected " [Herrmann and Schafer 1985, 284]. This survey result accords with the hypothesis that agricultural economists...

...economics is about discovering what our existing theory needs in order that it might more accurately model human interactions...By way of contrast, policy science in economics is about discovering what...the demand that ends, as well as means, should be opened up to scientific analysis.( 13 )

All of these types can be found in agricultural economics [Hagedorn 1989a, 1989b]. However, "instrumentalism...are duly revealed and can thus be examined by the citizens or politicians and then rejected or adopted.(19)

Criticism of both arguments(20) must start first with the fact that...

...not simply descriptive) statements regarding objectives as a research subject (first level) are often erroneously rejected on the grounds that these require value judgments in the object language (second level). It... Popper 1962, 240].

Although this explanation seems very clear, one ought to add that the plausibility it conveys is also due to an "assumption of perfection." It is assumed that the...the relative seriousness of two possible errors: accepting a hypothesis when it is false and rejecting a hypothesis when it is true. Furthermore, Ackoff [1979, 102] criticizes the prevailing concept of...because in the wider sense, quality also includes the characteristic of being susceptible of legitimation.

13 . It can now be seen that a definite regulating principle underlies the sequence of types...be Reformed? European Institute of Public Administration, Working Papers 85/2, edited by Jacques Pelkmans, 13 -52. Maastricht: EIPA, 1985.

--. "Politische Institutionen und Entscheidungsprozesse in der agrarökonomischen Politikforschung." Landbauforschung Volkenrode 38...

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17/K/97 (Item 97 from file: 15)

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00753876

94-03268

**Inflation and the yield curve**

Abken, Peter A

Economic Review (Federal Reserve Bank of Atlanta) v78n3 pp: 13-31

May/Jun 1993

ISSN: 0732-1813 **Journal Code:** ECR

**Word Count:** 10676

**Abstract:**

...lenders as well as to economists. The inflation forecasts implicit in interest rates carry strong credibility with most market observers because interest rates in part represent bets backed by wealth rather...

**Text:**

...an ominous sign of future inflation. The inflation forecasts implicit in interest rates carry strong credibility with most market observers because interest rates in part represent bets backed by wealth rather...the current level). Because of the implausibility of such long lag lengths, many later economists rejected Fisher's view that sluggish expectations formation explained the Gibson paradox.

Sargent found that the...

...two distinct strands of the interest rate/inflation literature identified earlier. His analysis of the time - series properties of inflation and interest rate data led him to conclude that "the interest rate...spread, as demonstrated in numerous earlier papers, including Mishkin (1981b) and Fama and Gibbons (1982). Rejecting unbiasedness ( $\beta_{mn} = 1$ ) therefore indicates that the slope of the real term structure fluctuates.

Statistical rejection of the hypothesis that  $\beta_{mn} = 0$  indicates a significant correlation between the spread...

...inflation (at least during the sample period). There are a number of explanations for the rejection of unbiasedness. One is that the ex ante real interest rate spread may also predict...the southwest quadrant to the northeast quadrant in a plot with equal vertical and horizontal scales. Forecast and actual outcome would coincide exactly. Because the variability of actual inflation rates is...

...of the nominal interest rate spread, the horizontal and vertical axes are drawn with different scales; consequently, the "45-degree" line is much less than 45 degrees in these plots. The inflation rate is notoriously difficult to forecast by any method, and thus large expectation errors

are not surprising. The pre-October 1979 observations tend to cluster more tightly because of...in the Fisher relation, whereas their measure of the nominal risk premium is highly significant.( 13 )

BOX 2

The Jensen's inequality effect is illustrated using a simple example based on...at which the CIR model, modified for money nonneutrality, comes into play.

Like Pennacchi, Sun rejects the hypothesis of money neutrality. The correlation coefficient between the unobservable state variable summarizing uncertainty...This finding runs counter to efficient markets theory because past inflation forecast errors are not plausibly regarded as measures of risk. Such easily obtained information as past inflation forecast errors should...

...inertia in expectations may be rational if we consider the costs and benefits of more accurate forecasts and/or possible regime changes [for example, changes in Federal Reserve operating procedures] (with...

...professional forecasters and therefore some do not have an economic incentive to be informed and accurate in their projections. Keane and Runkle also stressed that averaging across forecasts to get a...

...needed.

CONCLUSION

Nominal interest rates are determined by a variety of factors that limit their accuracy in predicting the future course of any single factor. The expected rate of inflation has...and Protopapadakis (1983, 859) for a derivation of Fisher's theorem under conditions of uncertainty.

13 . In particular, their test of the Fisher relation could not discriminate between measures of expected...Economy 84 (1976): 427-48.

--. "The Information in the Term Structure." Journal of Financial Economics 13 (1984): 509-28.

--. "Term Structure Forecasts of Interest Rates, Inflation and Real Returns." Journal of...

...June 1988): 339-56.

Hess, P.J., and J.L. Bicksler. "Capital Asset Prices versus Time Series Models as Predictors of Inflation: The Expected Real Rate of Interest and Market Efficiency." Journal...

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00735479

93-84700

**Foucault, power/knowledge, and its relevance for human resource management**

Townlwy, Barbara

Academy of Management Review v18n3 pp: 518-545

Jul 1993

ISSN: 0363-7425 Journal Code: AMR

Word Count: 12466

**Text:**

...knowledge of them, through the services of its handmaiden, science, will progressively be made more accurate . As such, the study of HRM stands well within a modernist, and largely positivist, tradition...

...the beginning of one of his early works, *The Order of Things* (1970), where he quotes a passage from a short story by the Argentinean writer Jorges Luis Borges. This passage...has been designed to build on previous efforts, in order to make such practices more accurate and less subjective, thereby aiding rational decision making.

Rather than perceive the individual as reducible...market on the other" (Williamson, 1975: 8). Relevant job details may not be identified or accurately described. Information sometimes may be affected. "Sometimes, indeed, the requisite language will not even exist...

...or dangerous multitudes into ordered multiplicities" (Foucault, 1977: 148). Foucault (1977: 143) wrote:

One must eliminate the effects of imprecise distributions, the uncontrolled disappearance of individuals, their diffuse circulation....[The discipline...employment in the production of goods and services for remuneration" (Rubin, cited in Pahl, 1988: 13 ). People are classified according to their location on either side of the enclosure: at home...why, and with what effects, boundaries become imposed, maintained, and breached, not whether they are accurate or efficient. or whether they reflect reality. For example, judging individuals according to comparative, scalar models not only acts as a disciplinary process, but also as a normalizing one. Ranking...

...individuals. As Foucault (1977: 223) put it: "Disciplines characterize, classify, specialize: they distribute along a scale , around a norm, hierarchize individuals in relation to one another and, if necessary, disqualify and invalidate ."

**ARTICULATING THE CONTRACT**

The above are examples of how disciplinary practices may be applied to... Other selection devices, for example, presenting inventories, ask individuals to be as open and as accurate as possible in acknowledging what words or phrases characterize them "most of the time." "quite...latter is constructed in social contexts and developed through social relationships. In doing this, she rejected traditional interpretations that have considered the individual as the self-evident unit with which to ...

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17/K/99 (Item 99 from file: 15)

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00725689 93-74910

### Asset Revaluations and the Mitigation of Underinvestment

Whittred, Greg; Chan, Yoke Kai

Abacus v28n1 pp: 58-74

Mar 1992

ISSN: 0001-3072 Journal Code: ABA

Word Count: 6219

#### Text:

...options) or its financing policy (the use of borrowing limitations, leverage and cash retention).

Alternative plausible explanations for revaluations include the operation of bonus plans, the reduction of political costs, regulation...

...details. (Table 1 omitted)

Financial data for all companies was taken from the CRIF tape.( 13 )  
Companies not on this file and devaluations result in a 15.7 per cent reduction...

...the year they elect to revalue. The appropriate design might thus appear to be a time - series design with time defined relative to the revaluation date.(17) But firms that revalue ought...

...both designs that lead us to report the results of both forms of analysis.

A time - series design does not rule out the possibility that any changes observed in revaluing firms were...

...non-revaluers as a 'benchmark' portfolio. Of course, this issue does not arise in the time - series design.

Proxies for the relevant variables were constructed as follows. Since with few exceptions Australian...thesimple reversing entry which debits shareholders' funds and credits the relevant asset account.

#### RESULTS

##### TIME SERIES

Results of a univariate time - series analysis appear in Table 3. Missing observations account for the minor variation in sample size...

...for the variation in sample size. Overall, the results are consistent with those of our time - series analysis. Revaluers are approximately 60 per cent more likely than non-revaluers to have borrowing...

...highly levered firms with borrowing limitations are more likely to revalue.

In all models classification accuracy is significantly greater than that of the proportional chance classification model (59.6 per cent...

...re-run using OLS.(19) As a dichotomous dependent variable implies heteroscedasticity of the OLS errors , we calculated Student's-t statistics for this model using White (1980) adjusted standard errors . As with the Probit regressions, these tests are asymptotic. The results were almost identical. The...

...disappears in a multivariate context, and it thus appears that if there are economies of scale in revaluing, they are unlikely to be major. Likewise, defining the leverage and cash retention...coefficients in Table 5 is assessed relative to this empirically generated distribution, the null being rejected if the original coefficient is unusually large relative to this distribution. Table 6 reports the...While we have no direct evidence on the magnitude of the costs involved. it seems plausible that. relative to renegotiating the deed, recapitalizing or defaulting, an asset revaluation is likely to...

...i.e., consolidations of all 'subsidiaries', which is not necessarily a consolidation of all 'guarantors').

13 The Centre for Research in Finance at the Australian Graduate School of Management maintains an...  
...in Table 2 is understated.

16 A 3 X 2 contingency table was constructed by deleting the last row and column in Table 2 (those with either multiple classes of assets...

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17/K/100 (Item 100 from file: 15)

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00698537      93-47758

**Bank loan officers' perceptions of the new audit report**

Miller, Jeffrey R; Reed, Sarah A; Strawser, Robert H

Accounting Horizons v7n1 pp: 39-52

Mar 1993

**ISSN:** 0888-7993 **Journal Code:** ACH

**Word Count:** 6503

**Text:**

...later when Nair and Rittenburg found that bankers placed greater responsibility for the completeness and accuracy of the financial statements on auditors and less on management than did CPAs. These researchers...

...interpreting certain unqualified and qualified audit reports.(7) For the basic research issues he examined-- credibility added by audit reports, reliance on financial statements, and satisfaction with the audit report--the responses of the financial analysts indicated that certain qualified opinions were perceived to add more credibility to the financial statements and better satisfied their investment analysis needs

than did an unqualified...

...Terms such as "reasonable assurance" and materiality were introduced and the reference to consistency was eliminated. The new standard audit report is longer than the old report which, as noted by...

...and confirmed that the new report is perceived by users as conveying an altered message. ( 13 ) They concluded that their respondents had an improved and ...qualified opinion with the new reporting format. These mean scores were marked on the response scale for each question. By providing these benchmarks we hoped that certain recording errors would be eliminated. Tversky and Kahneman, for example, noted that, in many situations, people make estimates by starting...to be more critical than those with less experience.

Perceptions of financial statement reliability and credibility were virtually identical for the two reports qualified because of a departure from GAAP. With...

...unqualified audit report.

SAS 58, however, did appear to influence user perceptions of financial statement credibility when the report was qualified because of a scope limitation. Bankers placed less confidence in...that the auditor's report and audited financial statements alone should be sufficient inputs for accurate decision making. As one astute banker observed, "While the information (in the audit report) is...

...from both large and small banks perceived that the auditor assumes less responsibility for the accuracy of the financial statements than does management.

#### AUDITOR COMMUNICATIONS

Changes in the auditor's report...paragraph of the unqualified audit report was expanded by the ASB in an attempt to eliminate misconceptions regarding the limitations of an audit. Table 6 summarizes banker perceptions of scope limitations...

...presented fairly in conformity with generally accepted accounting principles? (No Confidence, Complete Confidence)

How much credibility do you believe can be attached to the amounts and disclosures contained in the financial statements? (No Credibility, Complete Credibility )

To what degree have you been put on notice that something may be wrong in ...

...Lot Is Wrong)

#### CPA RESPONSIBILITIES:

To what extent is the CPA assuming responsibility for the accuracy of the financial statements? (No Responsibility, Complete Responsibility)  
To what extent is the CPA assuming legal liability for the accuracy of the financial statements? (No Legal Liability, Complete Legal Liability)

#### MANAGEMENT RESPONSIBILITIES:

To what extent is management assuming responsibility for the accuracy of the financial statements? (No Responsibility, Complete Responsibility)

To what extent is management assuming legal liability for the accuracy of the financial statements? (No Legal Liability, Complete Legal Liability)

AUDITOR COMMUNICATIONS:

How reliable are...

...pp. 34-39, for a detailed comparison of the 1987 and the 1980 Exposure Drafts.

( 13 ) A. S. Kelly, and L. C. Mohrweis, "Bankers' and Investors' Perceptions of the Auditor's...on a certain answer by providing a written statement. Such comments are presented as specific quotes where relevant.

(21) A. Tversky and D. Kahneman, "Judgment under Uncertainty: Heuristics and Biases," Science...

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00691840            93-41061

**Usings**

Rubinfeld, Jed

Yale Law Journal v102n5 pp: 1077-1163

Mar 1993

**ISSN:** 0044-0094 **Journal Code:** YLJ

**Word Count:** 43457

**Text:**

...tenants B, C, and D on the ground that redistributing concentrated holdings of property can plausibly be deemed to further the public welfare.(5) Construed this way, the so-called "public...

...trees, even though such state action manifestly deprives a person of private property without compensation.( 13 ) Nor could "for public use" possibly help digest the incoherent case law on so-called...not been taken or appropriated."(33) The Supreme Court disagreed.

In broad language, the Court rejected the argument that a "taking" could occur only upon the "absolute conversion" of property:

It...

...the ground that the law had entirely destroyed the beneficial use of it.(44)

Court rejected this claim, but not because Mugler's property had suffered no physical invasion. Instead, in...in case after case over the ensuing decades. On this basis, for example, the Court rejected compensation claims arising from a law preventing the manufacture of margarine,(48)



ordinances prohibiting the...

...an exercise of eminent domain and compensation to sustain the act.(60)

In the most-quoted phrase of the opinion, Holmes wrote: "[W]hile property may be regulated to a certain...to a person's ability to define property as his own that they cannot be eliminated without transgressing constitutional norms.(146)

The Loretto shift to this fundamentalist "propertyhood" thinking is confirmed...fragility of such fundamental rights always appears in two forms: in the absence of any plausible explanation of why one right--and not others--is fundamental, and in the presence of...

...fundamental" (or "treasured" or "quintessential"(159)) mean here? According to what criteria could the Court plausibly decide that the right to bequeath property is fundamental, but that the right to sell...height restriction will effect a "total taking" of this parcel, and you will have a plausible claim under Lucas.

To take this regression to its conclusion, if Loretto deeds to Lucas...obtain. By contrast, a law limiting toxic emissions from a factory merely regulates disuse. It eliminates an effect in the world that people would pay to avoid, but does not exploit...

...to sustain weight and sought to use it for that service. Would the purpose of eliminating pollution, deterring car theft, or preserving the health of apple orchards have been equally well...significant problems with this formulation. In the first place, committing the classic Mugler or Keystone error, Justice Scalia here has made it sound as if the category of compensable takings and the category...

...preventing harm, but genuinely to prevent harm. As we know, even exercises of pure eminent domain may well "mitigate[e] serious public harm"; in doing so, they do not any the...

...principle to make sense of the precedent are the cases in which the Court has rejected compensation claims. To render these cases coherent, it is especially crucial to distinguish between the...ordinary cost-benefit calculus of social welfare. They bind in the teeth of a perfectly plausible state determination that society would be more efficient, wealthy, or even happy were the guarantee...innocent when it would be efficient to do so? Search a home on less than probable cause? If we balk at thinking of the Compensation Clause as a matter of principle...it is in the use.

#### D. INSTRUMENTALIZATION

A common feature of the three frameworks just rejected --efficiency analysis, anti-redistributionism, and public-payment-for-public-goods--is that each reduces compensation...physical property (and to disfavor physical invasions of property), for which takings doctrine could never plausibly account. It also explains why the usings principle is not subject to the same degree...value. This something more concerns the requirement of a taking, and it points strongly toward rejecting both the broad and narrow constructions of "taken" just outlined.

Both these constructions share the...some kind. Nevertheless, the per se rule announced in Loretto(289) would have to be rejected, as would the Loretto decision itself.

In a usings analysis, a great deal depends on...substitute for compensation.(309)

E. PARCELING AND PARTIAL USINGS

As we have seen, usings doctrine eliminates the parceling problem created by economic-impact analysis in current takings law. Unfortunately, however, because...owner the almost unrestricted use of the burdened property as a whole, the state may plausibly demand that the larger thing should remain the relevant unit of "private property" within the...

...presented by the Beachfront Management Act as applied to large-lot owners. Here, some quite plausible uses of the property as a whole are clearly impeded: an owner cannot, for example...112 S. Ct. 1522(1992), the Court's most recent forays into the takings thicket.

13 . See *Miller v. Schoene*, 276 U.S. 272 (1928); *infra* Part I(8)(2).

14...to which various legal rights, privileges, etc., relate: then again--with far greater discrimination and accuracy --the word is used to denote the legal interest... appertaining to such physical object." WESLEY N. HOHFELD, *FUNDAMENTAL LEGAL CONCEPTIONS AS APPLIED IN JUDICIAL REASONING AND OTHER ESSAYS* 27 (123), quoted in *Cormack*, *supra* note 26, at 222-23; see *STOEBUCK*, *supra* note 26, at 16...uncompensated seizures was a fundamental facet of nineteenth-century constitutional law").

31. 80 U.S. ( 13 Wall.) 166 (1871).

32. *Id.* at 167 (statement of the case). Although *Pumpelly* arose under...

...Teleprompter Manhattan CATV Corp., 458 U.S. 419, 427 (182).

33. *Pumpelly*, 80 U.S. ( 13 Wall.) at 174 (argument of counsel).

34. *Id.* at 177-78.

35. *Id.* at 181...of 'harmful use' prevention to sustain a regulation involved an allegation that the regulation wholly eliminated the value of the claimant's land." *Id.* at 2889 But see *id.* at 2911...

...to land! *id.* somehow held subject to the 'implied limitation' that the State may subsequently eliminate all economically valuable use is inconsistent with the historical compact recoded in the Takings Clause...

...no more impenetrable jungle in the entire law than that which surrounds the word 'nuisance.').", quoted in *Lucas*, 112 S. Ct. at 2014 n.1 (Blackmun, J., dissenting). Private nuisance law...John Stuart Mill. In a passage with obvious influence on the Supreme Court's words quoted above, Mill wrote: "As soon as any part of a person's conduct affect prejudicially ...

...legal and social, to do the action and stand the consequences." In, *Mugler's* lawyer quoted On Liberty in his argument, *Mugler*, 123 U.S. at 632 (argument of counsel).

129...

...use your own as not to injure another.

131. The only way a court could plausibly determine whether a law was not legitimately harm-preventing would be to engage in precisely...

...observing parallels between *Nollan* and *Lochner*).

132. See *Lucas*, 112 S. Ct. at 287-8 ( quoted *supra* text accompanying note 101): *Michelman*, *supra* note 2, at 1197.

133. To be sure...

...U.S. 419, 427-28 (1982).

138. *Pumpelly v. Green Bay Co.*, 80 U.S. ( 13 Wall.) 166, 177-78 (1871):  
see *supra* text accompanying notes 1-35.

139. See, e...land-use regulation can be characterized as the 'total'  
deprivation of an aptly defined entitlement"), quoted in *Lucas*, 112 S.  
Ct. at 2913 (Blackmun, J., dissenting).

171. See *supra* note 135...Clause enacts Mr. John Locke's Second Treatise.  
See EPSTEIN, *supra* note 8, at 10- 13 . L86. See *supra* note 175.

187. 260 U.S. 393 (122).

188. The thought that...

...of right might provide the desired distinction may be superficially  
attractive, but must ultimately be rejected for the reasons stated *supra*  
note 5. Observe, however, that although this reservation of rights...of the  
State of New York (1778), reprinted in 5 THE FOUNDERS' CONSTITUTION 312,  
312- 13 (Philip B. Kurland & Ralph Lerner eds., 1987).

205. 1 HENRY ST. GEORGE TUCKER, BLACKSTONE'S...*supra* Part II(B)(3).

245. Fischel & Shapiro, *supra* note 243, at 269. The formulation quoted  
is intended by the authors to state not their own view, but the assumption  
underlying...law that could effect a using of it. Parceling issues,  
however, would not be entirely eliminated in a jurisprudence of usings.  
See *infra* Part V(E).

284. An exception apparently exists...

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17/K/102 (Item 102 from file: 15)

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00689076 93-38297

**Toward a counter-counterrevolution in development theory Comments Floor  
discussion**

Krugman, Paul; Stiglitz, Joseph E; Jayawardena, Lal  
World Bank Research Observer Supplement pp: 15-61  
1992

**ISSN: 0257-3032 Journal Code: WBA**

**Word Count: 19090**

**Text:**

...are others) in which recent concepts can lead to a rediscovery of the  
validity of discarded insights. And by linking old ideas with the new, we  
may avoid repeating old mistakes...equilibria will occur only for some

parameter values. And it is easy to critique the plausibility of the assumptions. Yet the model can serve as a useful jumping-off point for... many economists have, one ends up with mush.

There are, unfortunately, no general or even plausible tractable models of imperfect competition. The tractable models always involve some set of arbitrary assumptions...

...been trained in the formalism of constant-returns general equilibrium; they did not so much reject the possibility that economies of scale might matter as simply fail to notice it.

The...explanation of the concept of backward linkages explicitly invokes the importance of achieving minimum economic scale, and his discussion of forward linkages alludes to the role of scale as well, although more vaguely. I would argue, then, that a central concept of high development theory circa 1958 was the idea that economies of scale at the level of the individual plant translated into increasing returns at the aggregate level...

...of the literature of the time does not seem to agree with my argument that scale economies were a key element of the theory. Nurkse (1952), while accepting that indivisibilities play...

...he searches for reasons to soften this conclusion, he provides only a single paragraph on scale effects, then turns to an extended discussion of expectational errors. Lewis's (1955) text on economic growth seems fairly innocent of the whole idea of...

...cumulative causation" sounds as if it must surely include a major role for economies of scale, but I have been unable to find in his work a single--even indirect--reference...

...among economists; development stories such as those of Pred (1966) continued to seem natural and plausible.

#### Backward and Forward Linkages

The idea of linkages is one of the greatest sources of...these guys talking about? Where were the models? High development theory was not so much rejected as simply bypassed.

The exception proves the rule. Lewis's surplus labor concept was the...

...of free trade and free markets for developing countries had similarly taken hold, its intellectual credibility under-pinned by the demonstration of market efficiency in neoclassical general equilibrium theory. This orthodoxy...Romer's initial formulation, external economies were treated as purely technological in form. (Fashions in plausibility change: Scitovsky did not hesitate to ridicule Marshall's "bucolic" examples and proclaim the "scarcity"...

...intellectually solid case for some government promotion of industry--one that has often seemed empirically plausible to sophisticated observers. In other words, don't get caught up too much in the...is a streamlined exposition). One may also argue, however, that the regional version is more plausible than the application to the whole transition to modernity. Indeed, Myrdal (1957) chose to begin...pay is defined by

$$(A.12) \quad S = w.$$

This gives us the wage equation

(A. 13 ) (equation omitted)

The final step is to ask whether this maximum nominal wage implies a...they are far from the whole story.(4)

I would submit that a far more plausible explanation for the seeming demise of high development theory is that the same currents that...planning paradigms (see Stiglitz 1992). Krugman seems to suggest that once the planning paradigm was rejected , the only alternative was the free market paradigm. There were alternatives available, and to...

...represent a minority of all such enterprises, but there are enough successes to make it plausible that success is not just a matter of luck.

Externalities and Increasing Returns

There is...

...Vishny (1989). I have already suggested that those arguments, based on income effects, have dubious plausibility (in their present formulations) when applied to economies that face trading opportunities.(6)

Or consider...E. Stiglitz. 1990. "Financial Market Imperfections and Productivity Growth." Journal of Economic Behavior and Organization 13 (June):321-45.

Greenwald, Bruce C., A. Levinson, and J.E. Stiglitz. 1992. "Capital Market ...formulated in the period of high development theory was characterized by two basic ingredients: a rejection of the monoconomics claim, which argued that the same economic laws were applicable to both...

...monoeconomic and mutual benefit claims, while the neo-Marxist economic theories, which gained ground later, rejected both claims. Hirschman traces the decline of development economics to the consequences of the "strange...or Stiglitz of having a consistent model of the world. He referred, finally, to another quote , this time from an economist, that the most reckless and dangerous theorist is the man...

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17/K/103 (Item 103 from file: 15)

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00662593 93-11814

**Time-series analysis supported by power transformations**

Guerrero, Victor M

Journal of Forecasting v12n1 pp: 37-48

Jan 1993

ISSN: 0277-6693 Journal Code: JOF

Word Count: 3932

**Time - series analysis supported by power transformations**

**Abstract:**

Time series models are often enhanced through the use of power transformations. Procedures related to the use of transformations in time series analysis are examined, and 2 procedures for selecting a variance-stabilizing power transformation are suggested...

...the methods are essentially model independent, they can be used with practically any type of time series model. For example, they can be applied when using autoregressive integrated moving average, structural, or unobservable components models for time series. Similarly, to derive the approximate correction factor, it is not necessary to rely on the...

**Text:**

...The applicability of statistical models is often enhanced through the use of power transformations, and time - series models are no exception. However, it is important to select an adequate transformation as was...

...as follows. The following section reviews some procedures related to the use of transformations in time - series analysis. Then, we suggest two procedures for selecting a variance-stabilizing power transformation. Approximate correction...

...a power transformation to obtain an adequate autoregressive integrated moving average (ARIMA) model for the time series at hand. In particular, they advocate the use of the Box and Cox (1964) method...

...a transformation from the family

(equation 1 omitted)

where  $\{Z_{sub t}\}$  is an observed time series with  $Z_{sub t} > 0$ ,  $\lambda$  is the index of the transformation and  $\log(.)$  denotes...

...trend and seasonal components. Similarly, Harvey and Fernandes (1989) considered the problem of building structural time - series models for count or qualitative data. They use a specific variance-stabilizing transformation for a...

...and Scott (1960), Miller (1984), and Taylor (1986). Although those authors did not consider explicitly time - series models, their solutions can be easily adapted to these models.

The solution of Neyman and... $\lambda$  is a fractional power, and Taylor's is also a simple solution, but lacks accuracy when  $\lambda$  is near zero. On the other hand, Granger and Newbold (1976) as well as Pankratz and Dudley (1987), addressed specifically the time - series case and devised procedures for obtaining debiasing factors, which are either too complicated or do...

...estimate these parameters from observations on the variable X.

Let us now consider an observed time series  $\{Z_{sub t}\}$ , probably with nonconstant variance. In order to stabilize its variance, one should...

...the relationship (4) for every observation of the series  $t = 1, \dots, N$ . A problem with time - series data when only one observation is made at each time  $t$  is that we are...

...h = 1,...H. Thus we should try to keep homogeneity between those subseries by: (1) eliminating n observations ( $0 \leq H < R$ ), either from the beginning or the end of the original...

...clear that lambda can be estimated by least squares, and the usual regression analysis of time - series data applies.

#### APPROXIMATE CORRECTION OF BIAS

Let us assume that a time - series model has been built for a power-transformed series with  $T(\cdot)$  as in equation (2...

... $T(Z_{\text{sub } t})$ ). Typically, the optimal forecasts are estimated expected values in the transformed scale, where we usually assume normality. Thus, by applying the inverse transformation  $T^{-1}(\cdot)$ , which is a monotonic function, we obtain estimated median values in the original scale. This retransformation to the median produces a so-called 'naive' forecast, which may be deemed optimal if the cost function associated with the forecast errors is linear and symmetric about zero (see Granger and Newbold, 1986, for details about cost...notation. Taylor's factor becomes

(equation 12 omitted)

and the Pankratz-Dudley factor is  
(equation 13 omitted)

Here it is noticeable in particular that Taylor's factor has the simplest expression...

...only when lambda is a fractional positive power.

We observe that expressions (10), (12) and (13) depend on the value of (equation omitted). That fact is now used to provide a...only the 11 forecasts which exclude the outlying observation, we obtain an average error of 13 for the naive forecasts. With Taylor's factor the corresponding figure is 11, while it...

...Pankratz-Dudley factor and 5 with ours. Thus, we obtain a slight improvement in forecast accuracy with the new factor when the outlier is excluded.

#### CONCLUSIONS

A word of caution related...

...wrongly selected transformation. On the other hand, even though no explicit mention was made to time series consisting of discrete data, it should be clear that transformations are also applicable to that... independent and therefore can be applied when using ARIMA, structural, or unobservable components models for time series. Similarly, to derive the approximate correction factor we did not rely on the assumption of...

...Oxford: Clarendon Press, 1985.

Bowerman, B. L., Koehler, A. B. and Pack, D. J., 'Forecasting time series with increasing seasonal variation', Journal of Forecasting, 9 (1990), 419-36.

Box, G. E. P...

...Statistical Society, B-26, (1964), 211-43.

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...with graphical methods for interpretation and diagnostics', in A. Zellner (ed.), Seasonal Analysis of Economic Time Series, US Bureau of the Census, 1978, 201-41.

Durbin, J. and Kenny, P. B., 'Seasonal... behaves neither purely multiplicatively nor purely additively', in A. Zellner (ed.), Seasonal Analysis of Economic Time Series, US Bureau of the Census, 1978, 173-97.

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...Society, 0-38 (1976), 189-203.

Granger, C. W. J. and Newbold, P., Forecasting Economic Time Series, 2nd edn, New York: Academic Press, 1986.

Guerrero, V. M. and Johnson, R. A., 'Use...

...with binary response models', Biometrika, 69, (1982), 309-14.

Harvey, A. C. and Fernandes, C., 'Time series models for count or qualitative observations', Journal of Business and Economic Statistics, 7, (1989), 407-17.

Jenkins, G. M., 'Practical experiences with modelling and forecasting time series', in O. D. Anderson (ed.), Forecasting, San Francisco: Holden-Day, 1979, 43-166.

Miller, D...

...currently a Professor at the Instituto Tecnológico Autónomo de México ([TAM]). His research interests include time - series analysis, forecasting, and econometrics. He has published papers in the Journal of Forecasting, International Statistical...

#### **Descriptors:**

Time series ;

#### **Classification Codes:**

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#### **Dialog eLink:**

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17/K/104 (Item 104 from file: 15)

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00662445 93-11666

**Is poor worker morale costly to firms?**

Straka, John W

Industrial & Labor Relations Review v46n2 pp: 381-394



Jan 1993

ISSN: 0019-7939 Journal Code: ILR

Word Count: 7431

Text:

...omitted and concluded that "the hypotheses tested are not sensitive to the equation that is eliminated ."

Of greater concern, in any nonlinear system, is the fact that all tests, including t...

...prefer for this many parameters (37 and 21) in the unrestricted and restricted models, respectively.( 13 )

The danger of "spurious regression" also calls attention to the seminal work of Granger and Newbold (1974, 1986) and other recent developments in time - series analysis.(14) Granger and Newbold showed that autocorrelated residual error terms can indicate spurious findings...compared in Table 2. (Table 2 omitted) The first four derivatives should simply yield an accurate prediction of the average factor shares, but it is seen that N-Z's predicted...

...proper interpretation of my restricted-model residuals may thus be that, although they fail to reject productive efficiency in terms of the model, the sample size is too small to be...of random data.

This random-number experiment thus strongly suggests that virtually any sets of time series , entered through N-Z's add-on behavioral aggregate, can be found to have a...

...exact source of any estimated inefficiency, and difficult to rule out the possibility that more accurate and complete specifications and data might support the hypothesis that most firms tend to have...73) acknowledge that a plant-level approach would be preferable, but they stress that "the plausible and stable nature" of their results is persuasive.

6 See N-Z (1985b:993-94...

...if any effects of the worker-morale variables covary with the T terms, these are eliminated from the estimates.

8 The incomplete specification of a full model of inefficiency also likely ...drawback of systemwide sensitivity to misspecifications, and efficiency gains may be slight in small samples.

13 For the present study, I estimated 33 and 21 independent parameters with the two years...

...process in the cost system, an LM-type test statistic (Harvey 1982) marginally failed to reject the joint hypothesis of no first-order autocorrelation for Table 1 below.

16 Results reported...

...Tables 1, 3, and 4 below were previously reported in Straka (1989), Chap. 2.

17 Scaling may account for the differences in cost-function intercepts. The several coefficients differing from mine suggest that overall discrepancies are too pervasive to reflect scaling or a simple clerical error in N-Z's published results. Standard errors were not calculated for estimated first-order effects, as N-Z do not report covariances...

...nonproduction labor 5.72, energy 4.42, and materials 4.57. This test fails to reject normality in each case.

19 One would expect upward-skewed residuals on the cost function...

...that W is separable from T and the physical inputs (in the exact translog form) rejected separability in nearly every case tried.

Like N-Z, I found some slight variation in...

...multivariate structure and very limited data, I did not attempt a formal analysis of the time series properties. I examined plots of the data for obvious nonstationarities and proceeded to (1) difference...their Relationship to Efficiency Measurement." Journal of Econometrics, Annals of Applied Econometrics 1980-82. Vol. 13, No. 1 (May), pp. 5-25.

Gallant, A. R., and D. W. Jorgenson. 1979. "Statistical...

...in Econometrics." Journal of Econometrics, Vol. 6, No. 2, pp. 111-20.

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Greene, William H. 1980. "Maximum Likelihood Estimation of Econometric Frontier Functions." Journal of Econometrics, Annals of Applied Econometrics 1980-82, Vol. 13, No. 1 (May), pp. 27-56.

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Harvey, A. C...

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17/K/105 (Item 105 from file: 15)

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00656754 93-05975

**Jurisdictional Error and the Deeming Process in Tax Legislation**

Ryan, J. L.

Australian Tax Review v21n4 pp: 237-249

Dec 1992

**ISSN:** 0311-094X **Journal Code:** AATR

**Word Count:** 6052

**Text:**

...concluding that ecclesiastical courts were not inferior courts. In this respect it is interesting to quote from the judgment of Wrottesley L.J.: (4)

"One of the matters most in controversy...to recently in Australia in Public Service Association of South Australia v. Federated Clerks' Union, (13) in which the Industrial Commission of South Australia had fallen into

jurisdictional error by misconceiving...

...excluding normal administrative law review procedures. If those restrictions were not sufficient to tip the scales in favour of the Commissioner, there is also the fact that, periodically, the Commissioner is...

...matter was examined in a case which fits into the wide general aspects of jurisdictional error and is of importance in the present context as an illustration of the vital nature of error of law as an administrative law remedy even affecting doctrines of constitutional review. Mutual Pools...the use made by him and his colleagues of the goods thus excised. Whatever the accuracy of history may be, what is clear is that conceptually an excise duty is entwined...to the Court was that this section created a fictional date of registration. The Court rejected this argument, and it was pointed out by Windeyer J. that there is nothing fictitious...H.L. 239 at p. 263.

12 [1969! 2 A.C. 147 at p. 195.

13 (1991) 173 C.L.R. 132.

14 [1992! A.T.C. 4016.

15 A History...

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17/K/106 (Item 106 from file: 15)

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00634622 92-49562

**Evaluating the 1990 Projections of Occupational Employment**

Rosenthal, Neal H.

Monthly Labor Review v115n8 pp: 32-48

Aug 1992

**ISSN:** 0098-1818 **Journal Code:** MLR

**Word Count:** 7472

**Abstract:**

...US labor force. The 1980-1990 set of occupational projections is examined. The errors and accuracies of projections for major occupational groups are identified and major causes of error are discussed. Total employment for 1990 was projected very accurately, as actual employment was less than 1% greater than projected. However, projection errors were fairly...

**Text:**

...actual occupational employment change. This process provides users of occupational projections with information about the accuracy of projections of the future growth of occupations that may be valuable in career decisionmaking...

...In addition, analysts developing projections gain insight into the process that resulted in errors or accurate projections that can be used in the development of future projections. Thus, BLS considers evaluation...

...the differences between projected and actual 1990 employment were used as the basic measure of accuracy.

Like the previous evaluations of occupational projections, this article identifies the errors and accuracies of projections for major occupational groups and for a selected number of detailed occupations; discusses...

...found in earlier projections. In addition, it discusses some of the technical concerns about the accuracy of the evaluation process itself, summarizes some of the lessons learned that can be used...  
...by researchers outside of BLS.

#### MAJOR OCCUPATIONAL GROUPS

Total employment for 1990 was projected very accurately, as actual employment was less than 1 percent greater than projected.(3) Among the major...

...the projection was only 6 percent lower than actual employment. The projections also were reasonably accurate for the following major groups: executive, administrative, and managerial; technicians and related support; and administrative...employment change was projected correctly for 107 of the 132 occupations. Increases were projected more accurately than decreases. All but one of the occupations (secondary schoolteachers) that did grow were projected...

...1990 levels. All of these occupations were underprojected. At the other end of the growth scale, only 1 of the 15 occupations that increased by 5 percent or less during 1980-90 was underprojected. The projections error for these occupations averaged 19.6 percent. All other occupations in which employment expanded had a respectable mean error of 10.7 percent. Of the 27 occupations that grew by between 28 and 49...

...Occupational Outlook Handbook growth categories below)--18, or two-thirds, were underprojected, but the average error was only 11.6 percent. In the second-slowest growth category--6 percent to 14 percent--18 of the 20 occupations were overprojected, but the average error was only 12.7 percent. Twenty occupations fell in the average-growth category--15 percent to 27 percent. These occupations had a mean projection error of only 7.4 percent, and there was no tendency towards over-or underprojection.

HANDBOOK...into identical projected and actual growth ranges. Perhaps these occupations would have been projected more accurately if they had undergone the extensive analysis conducted for occupations presented in the Handbook. Nevertheless...

...true trend, and the projected growth ranges for some of these occupations may have been accurate. For example, the number of data processing equipment repairers was projected to grow much faster...

...this occupation over the same interval. Analysis indicates that the CPS

estimate is probably more accurate , because the matrix data for 1986-90 also indicate rapid growth. Thus, the 1980 matrix...

...some projection errors in the components of total employment offset others to yield the highly accurate overall employment projection, none was tied to factors that would have a significant impact on...

...in projecting industry employment and staffing patterns can be seen in reviewing the projections for 13 occupations that declined between 1980 and 1990, and that have significant proportions of their employment...

...increase by 16 percent, it in fact declined by 6 percent.

In each of the 13 declining occupations, projected total employment and projected employment in manufacturing were higher than actual 1990...

...occupation (the industry-occupation matrix coefficient) was lower than the projected proportion. Thus, for all 13 occupations, projection error was caused ...projecting both industry employment and occupational coefficients. The coefficients actually declined in 12 of the 13 occupations, but decreases for 4 of them were relatively small. Only 2 of the 13 occupations were projected to increase as a proportion of all workers within manufacturing, and one of these--chemical engineers--did so.

If the projections in manufacturing had been perfectly accurate for the 13 occupations, 6 would have shown a projected decline in total employment. For the others, the...

...of growth, rather than a decline. Also, if the occupational coefficients in manufacturing had been accurately projected to decline, employment growth still would have been projected for all 13 occupations because of the overprojection of manufacturing employment as a whole.

#### TECHNICAL CONCERNS

There are...education counselors showed a 33-percent decline in the OES matrix, but an increase of 13 percent in the CPS. The 2-percent projected growth rate for this occupation could be...

...other professional fields. However, they just happened to be large enough that they affected the accuracy of the overall rate of growth for the professional specialty major group. Detailed ...not fully accounted for in the occupational projections.

Like the impact of technological change, the probable effects of a wide variety of other factors driving the demand for workers in specific...

...patterns than were the 1980-90 projections.

HANDBOOK GROWTH-RATE CATEGORIES. The review of the accuracies and inaccuracies noted in the analysis of the growth-rate ranges reinforces the conclusion that...is not biased in this way in the future.

#### THE 1980 AND 1975 PROJECTIONS

The accuracy of the 1990 occupational projections was very similar to that of projections developed by the...

...the 1980 projections, while the 1975 projections were an average 22.4 percent off. The accuracy did not vary much among the three projections rounds, even though the 1990 projections were...

...in the error between the two rounds, errors for 2 were the same, and for 13 occupations, the error decreased.

In the 1990 projections, all of the declines were underprojected (projected...

...projections: further work is needed to reduce errors in assumptions regarding staffing patterns if the accuracy of occupational projections is to be improved.

#### ALTERNATIVE EVALUATIONS

A series of articles evaluating the accuracy of BLS projections has been prepared by John H. Bishop and Shani Carter, one of...

...respects from the OES survey-based matrix--perhaps their projections did prove to be more accurate. However, they did not develop projections for individual occupations, which is a major product of...

...industry or economic sector.

Developing projections in the manner suggested by Bishop and Carter would eliminate analytical input to the process. For example, an extrapolation of past trends may have yielded...

...professional workers that was closer to the actual employment level. But, as shown above, the error in the BLS projection for that major group was due largely to an underprojection of...

...could have been reconciled with an independently projected higher overall total, except perhaps by increasing errors for each occupation through some scaling process.

Bishop and Carter extensively analyze the source of error in the BLS projections. They correctly target the pitfalls, such as the problems in accurately projecting staffing patterns that are based on a short time series for which the trend may not be stable in the long run. BLS agrees.

They...

...and Kasunic, "Evaluating the 1980 projections."

11 See John H. Bishop and Shani Carter, "How accurate are recent BLS occupational projections?" Monthly Labor Review. October 1991, pp. 37-43; and John...

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#### Dialog eLink:

DSPTO Full Text Retrieval Options

17/K/107 (Item 107 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00632084 92-47024

**C++ Windows Development**

Delrossi, Robert A.

InfoWorld v14n33 pp: 96-108

Aug 17, 1992

**ISSN:** 0199-6649 **Journal Code:** IFW

**Word Count:** 9346

**Text:**

...memory using the Windows API memory functions. It also performs a number of New and Delete commands to create and delete objects of various sizes. We simulated a realistic use of memory allocation by creating, deleting, and resizing memory blocks in pseudorandom sizes and in a repeatable but pseudorandom order.

The...including comments, keywords, data types, and the like. This can actually help track down mismatched quotes or comment markers. It can also be woefully distracting when floating-point numbers and integers... EXCELLENT.

The Borland documentation set is large and thorough. Included in Version 3.1 are 13 softcover manuals, each individually indexed and each with its main topics written on the spine...in the former package and adds the M++ library, which has extensive support for high- accuracy mathematical calculations and manipulation routines for huge arrays and matrices. There are also versions of...s Dr. Watson or Borland's WinSpector, both of which trap and report program execution errors. Zortech is even missing some of the simplest Windows tools, such as an icon editor. Zortech does include a scaled -down version of Blue Sky Software's Windows Maker Professional called Windows Maker Prototyper. Windows Maker Professional is a terrific program, but most of it is missing in this scaled -down Prototyper. It can only generate dialog files, header files, and menu definitions. No icon...

...unintuitive if you use the default key bindings. Counterintuitive commands such as Ctrl-J to delete a line take some getting used to. If you opt to use the default key...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/108 (Item 108 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00589602 92-04775

**The Importance of Accrual Accounting as a Determinant of Submartingale Behaviour in Annual Income Numbers: Empirical Evidence from Finland**

Kinnunen, Juha

Journal of Business Finance & Accounting v18n6 pp: 861-883

Nov 1991

**ISSN:** 0306-686X **Journal Code:** JBF

**Word Count:** 7216

**Text:**

...parameters to be estimated for each model. Consequently, the model set includes some naive time series models. Another criterion was their appearance in related studies. Standard models frequently encountered in the...

...autocorrelation and the importance of the most recent income observation for future expectations.

The following time series models were an outcome of these criteria (Time series models omitted):

For the RWWD model (2) the drift parameter delta was estimated by computing ...appropriate models from estimated autocorrelation and partial autocorrelation functions for such a large number of time series would have been too time consuming and would have required a large number of subjective...

...the results, each of the eight ARIMA models listed below were first estimated from each time series :

6.1 (0,d,1); 6.2 (0,d,2); 6.3 (1,d,0...

...2), respectively, in the Schwarz sense.

#### Predictive Ability Tests

The forecast errors generated by different time series models were measured with the Mean Square (Prediction) Error (Equation omitted): This error measure was...

...1979-81, and 1982-84.

As can be seen from equation (8), the Mean Square Error does not scale forecasting errors to the firm's size. However, this is not a problem in the study, because the MSE measure was separately computed for each sample firm, after which the time series models were ranked according to their relative forecasting ability within that particular firm. Thus, the MSE was not averaged cross-sectionally at any stage, and there was no need for scaling the error measure to the size of the firm. The obvious advantage of this was that the notorious problems relating to the use of relative error measures (such as mean percentage error and its derivatives) could be avoided.\*12\*

Unfortunately, the distributional properties of the selected error measure are unknown, which makes the use of more powerful parametric tests unjustified. Therefore, the...

...selected as the principal method of analysing overall differences in the predictive abilities of the time series models. Based on ranks, this method has very loose requirements with respect to the properties...

...fact, the only assumption is that the measurements are made at least in an ordinal scale, which is certainly true with the selected error measure. Furthermore, the Friedman Analysis of Variance has previously been used in prior studies in...

...the Sign Test (Siegel, 1956, pp. 68-75) was used for pairwise comparisons of the time series models.

#### EMPIRICAL RESULTS

##### Tests of Randomness

As a distribution-free test of randomness, the numbers...

...turning points and the percentages of firms where the null hypothesis of randomness could be rejected at the one per cent level of significance



appear in Section A of Table 1...

...cash-based sales revenues (CSA) indicate that the observed numbers of turning points in these time series tend to be significantly smaller than can be expected under the null hypothesis of randomness...

...test results from individual firms confirm this general tendency; while the null hypothesis could be rejected in a large percentage of firms for ASA, AOI, ANI and CSA, this was not...degree of randomness was then examined with autocorrelation analysis. Since the visual inspection of the time series graphs indicated that some of the income variables (especially the accrual and cash-based sales...

...obtained from regressing the original variables on time) and first differences of the original series.\* 13 \* Distributions of the estimated autocorrelations at the first six lags and the percentages of firms... appear in Table 5 (Table 5 omitted). In addition to the marginal significance level for rejecting  $H(0)$ , the W-statistic or the Kendall Coefficient of Concordance (Siegel, 1956, p. 236...

...all income variables. For example, the null hypothesis that the predictive ability ranks of each time series model come from the same population can be rejected consistently across all horizons at a significance level of less than 0.1 per cent...also in the pairwise tests. For example, random walk with drift (RWWD) produced significantly more accurate sales (ASA) forecasts than any of its rivals. Furthermore, while the submartingale models were significantly...

...LT) and EWMA in predicting cash sales revenues (CSA), the EWMA models produced significantly more accurate forecasts for cash-based operating income (COI) and for the first version of cash net...

...randomness reported above.

#### SUMMARY AND CONCLUSIONS

This study differs from prior related literature on the time series research of corporate income numbers in at least the following ways:

First, a comparative time series analysis was used with the aim to determine the effect of the accrual accounting system on the resulting (submartingale) behaviour in annual income numbers. In that design, the time series behaviour of accrual-based income variables from three different income statement levels was contrasted with...

...of their non-accrual cash-based counterparts which served as the 'control variables'. Second, the time series data used in this study were obtained from firms operating under a different economic and institutional (accounting) environment than firms previously analysed. Third, inflation-adjusted time series data expressed at a uniform purchasing power of money were used here instead of undeflated or size-deflated nominal time series. Fourth, the direct method of cash-flow computation was used instead of the indirect method...

...in the UK, the Netherlands, the USA, Australia and New Zealand) that, on average, the time series behaviour of the accrual accounting income can be approximated by a submartingale (random walk with...to do the job of general-price-level-adjustments (GPLA) which can be used to eliminate inflationary profits from accrual accounting income. What the transformation applied here does instead is that...

...adjusted with this winsorizing technique.

9 Since shifts in the level were encountered in twelve time series , dummy adjustments accounted for approximately 0.1 per cent of the total number of differences (8995) in the time series data. Furthermore, twenty-four outliers (0.3 per cent) in two consecutive years were adjusted ...

...ratios and by imposing a truncation rule for the outliers (see e.g. Chant, 1980).

13 Note that autocorrelations estimated from the levels of original variables containing trend would be meaningless...D.H., M.T. Lewis, W.T. Lin and J.G. Manegold (1983), 'Applications of Time - series Analysis in Accounting: A Review', Journal of Forecasting, Vol. 2, Iss. 4 (1983). pp. 405-423.

Beaver, W.H. (1970), 'The Time Series Behavior of Earnings', Journal of Accounting Research (Supplement 1970), pp. 62-99.

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Box, G.E.P. and G.M. Jenkins (1976), Time Series Analysis: Forecasting and Control. Revised Edition (Holden-Day, San Francisco 1976).

Carbone, R. and J...

...the Predictability of Corporate Earnings per Share Behavior', The Journal of Finance (March 1980), pp. 13 -21.

Dharan, B.G. (1983), 'Empirical Identification Procedures for Earnings Models', Journal of Accounting Research...  
...Statistical Review, 53, 3 (1985), pp. 301-329.

Hopwood, W.S. and P. Newbold (1980), ' Time Series Analysis in Accounting: A Survey and Analysis of Recent Issues', Journal of Time Series Analysis, Vol. 1, No. 2 (1980), pp. 135-144.

Kendall, M.G. (1973), Time - Series (Charles Griffin & Company Limited, London 1973).

Lorek, K.S., R. Kee and W.H. Vass (1981), ' Time - Series Properties of Annual Earnings Data: The State of the Art', Quarterly Review of Economics and...

...Book Company, Inc., New York, 1956)

Watts, R.L. and R.W. Leftwich (1977), 'The Time Series of Annual Accounting Earnings', Journal of Accounting Research (Autumn 1977), pp. 253-271.

Watt, R...

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00579084 91-53431

**The Senior Executive Service: Is It Improving Managerial Performance?**

Perry, James L.; Miller, Theodore K.

Public Administration Review v51n6 pp: 554-563

Nov/Dec 1991

ISSN: 0033-3352 Journal Code: PAR

Word Count: 4956

**Abstract:**

...was tested. The results provide considerable support for the importance of performance rewards and appraisal accuracy as explanatory variables for both micro- and macro-level outcomes. The revised model also provides ...

**Text:**

...qualifications was expected to increase public confidence. Controls against prohibited personnel practices were anticipated to eliminate such practices and reinforce public confidence. More flexible executive recruitment and placement systems were expected...

...survey items to which the SES members responded are provided in Tables 1 and 2. Scale anchors for most of the likert-type items were "strongly agree" to "strong ly disagree..."

...represented in the model as a latent variable with three associated indicators and corresponding measurement errors . Although independent indicators of agency and program performance and public confidence would have been highly...

...are Rational Deployment, Interface, Quality of Political Executives (shortened to Political Executives), Performance Rewards, Appraisal Accuracy , and Prohibited Personnel Practices (shortened to Prohibited Practices). Indicators for these variables, designated X1 through...revised model. All of the hypothesized paths involving quality of political executives, performance rewards, appraisal accuracy , and prohibited practices appear in the empirical model. The major difference between the two models is that 13 of 23 paths in the revised model did not appear in the hypothesized model.

The...

...hypothesized.

The revised model provides considerable support for the importance of performance rewards and appraisal accuracy as explanatory variables for both micro-and macro-level outcomes. Although the relationships among these ...by the analysis. Instead, the revised model suggests that an "administrative effects" thesis is more accurate in describing the importance of the career-noncareer interface. The revised model suggests that the...

...be responsive not only to individual rewards and direction (i.e.,

performance awards and appraisal accuracy ), but also to contextual factors such as public approval and agency performance. Although these relationships...William B. Stevenson, and James L. Perry, 1985. "Managerial Compensation Based on Organizational Performance: A Time Series Analysis of the Impact Merit Pay." Academy of Management Journal, vol. 28, pp. 261-278...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

17/K/110 (Item 110 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00542479 91-16823

**An Even-Handed Approach to Graphology**

Fowler, Alan

Personnel Management v23n3 pp: 40-43

Mar 1991

**ISSN:** 0031-5761 **Journal Code:** PMA

**Word Count:** 2989

**Text:**

...and occasional use is more wide spread and may be growing

Nevertheless, most personnel managers reject graphology, on the grounds either that no research has been undertaken into its validity or...

...Israel.

The apparently more informed view is that all research has shown graphology to be invalid. Two publications have promoted this view: the BPS booklet Psychological testing (BPS, 1989) and Mike...

...Both give lists of selection techniques with their predictive validity coefficients, using the normal statistical scale of zero (invalid) to +1.0 (100 per cent validity). Both rate graphology as zero. Where has this ...

...evident that the BPS statistics have a similar origin. As this article will show, to quote zero as the average outcome of academic research appears to discount some research findings which...

...and that the personality descriptions they produce are so generalised they can be read as 'accurate' by almost anyone.

Graphologists prefer to work on spontaneously produced script, and many people, when...

...generally self-confident but occasionally has self-doubts" -- a comment which would probably be considered accurate by 90 per cent of any managerial population. But this is not representative of a...technique is its validity. Does it measure what it says it measures? Are its predictions accurate? Three different types of research into the validity of graphology can be identified: 1 Comparisons...

...students were then asked to try to match the sets of descriptions. The number of accurate matches was greater than would be expected by chance, though not at a high level...

...technical and clerical employees in a soft drinks firm with their supervisors' ratings, using a 13-item set of factors such as initiative, sense of responsibility and ability to understand instructions. (13) Positive correlations were obtained in the range 0.13 (initiative) to 0.55 (responsibility), with a median of 0.39. He concluded: "The magnitude ...  
...cadets in another Israeli study. (18)

Before attempting a lay view, it is interesting to quote the conclusions of various researchers. Klimoski and Rafeali, "...scores are valid. And if the two sets of results correlate, it seems just as probable that both are wrong as both are right. What would be interesting about the Cox...

...selection. Predictive validity coefficient in the range 0.1 to 0.3 seem a more accurate summary of research evidence than the zero quoted by the BPS, though some zero results have been obtained.

These are, of course, low figures -- but so is the 0.15 coefficient the BPS quotes for personality tests. Perhaps the real lesson is not so much that graphology is of...

...s and Kagan's tests' dimensions'. Journal of Personality Assessment, 41, 1977.

8 Lomanaco, T. 'Accuracy of matching TAT and graphological personality profiles', Perceptual and Motor Skills, 36, 1973.

9 Lester ed. Nevo, B), Charles Thompson, 1986.

13 Drory, A. 'Graphology and Job performance', in Scientific aspects of graphology (op cit).

14 Sonnemann...

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17/K/111 (Item 1 from file: 16)  
DIALOG(R)File 16: Gale Group PROMT(R)  
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07303065 **Supplier Number:** 61881301 (USE FORMAT 7 FOR FULLTEXT)

**WIRING THE NEXT GEN OFFICE.(Technology Information)**

Computer Telephony , v 8 , n 4 , p 88  
April , 2000

**Language:** English **Record Type:** Fulltext

**Document Type:** Magazine/Journal ; Trade

**Word Count:** 12078

-

...try to enforce) end-to-end standards-compliance. They speed

installation, cut down on installation errors, facilitate testing, help with MACs, and let you take advantage of economies of scale (like buying cable-runs pre-terminated and tested for compliance, instead of pulling and terminating...

...TIA 568 (known as "568"), actually a series of related standards, is probably the most quoted document in communication cabling.

At the heart of structured cabling is the practice of establishing...

...a punchdown and run directly to the cross-connect.

Finally, "568" makes clear that producing accurate documentation about the network will help avoid costly downtime caused by such things as mislabeled...a punchdown block, did you know that the maximum amount of "untwisting" allowed is only 13 mm. or the width of your little finger? For best performance, you shouldn't add...large Ethernet networks for mission-critical applications. It's a product suite that helps users accurately measure network performance, troubleshoot equipment problems, and quickly deploy high-speed gigabit LAN networks. The...network interface cards (NIC), hubs, and switches. Using Anixter's products and services you can eliminate errors. This not only increases productivity and reduces maintenance costs, but also reduces the frustration...5 installation. The J-Hook has extra-wide rounded base loops that can help to eliminate snags. The J-Hook is available in three sizes that can accommodate 16 to 80 ...

...the growing variety of network cabling applications. Each tool is engineered to provide consistent, clean, accurate strips for more efficient, better quality work.

Some of the tools offered are the Pro2000...installing, reconfiguring, and upgrading LANs. Holocom's products allow you to reduce networking costs and eliminate the hassles of rewiring work areas when people/departments move around.

"The Gateway serves as...

...net effect being a dramatic reduction in horizontal cabling, a significant reduction if not the elimination of communications closets and equipment rooms, and a major reduction in cost of network ownership...

...plant and hardware capacity, create fiscal budgets, help facilitate remodels, department moves and new construction, eliminate repetitive audits, and reduce trouble costs up to 80%. IMAP is a complement to network ...plant connectivity and assets management of their LANs, and significantly simplifies MAC procedures.

The system eliminates manual verification and updating of connection data, reducing workloads and costly network "down-time." With... parameters, such as frequency, rise time, fall time, amplitude, etc., and from that it can accurately determine whether something is a packet but an illegally shaped packet, for example. Or it...

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17/K/112 (Item 2 from file: 16)  
DIALOG(R)File 16: Gale Group PROMT(R)  
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07053043 **Supplier Number: 58380149 (USE FORMAT 7 FOR FULLTEXT)**

**CTP Status Report: When Will It Fulfill Its Promise?(Graphic Arts  
Technical Foundation's Technology Forecast)(Industry Trend or Event)**

The Seybold Report on Publishing Systems , v 28 , n 14 , p NA

April 19 , 1999

**Language:** English **Record Type:** Fulltext

**Document Type:** Newsletter ; Trade

**Word Count:** 20476

-

...of the gain to be made from CTP consists of receiving files directly from customers, eliminating the middleman. Printers can suggest that customers supply digital files, do file correction and scanning...

...CTP, and it adds to the overall investment required. In addition, the streamlined CTP workflow eliminates some of the checkpoints used in traditional printing. An increase in remakes is a possibility... impressions--because processless plate technologies under development are not suitable for post-bake applications.

\* The elimination of plate processing should be a real option by the time Drupa arrives, although the...the customer to "adjust to digital proofing." Other responses in this category included "reducing or eliminating the number of jobs supplied on film" (43%) and "changes in file preparation techniques" (33...Percent of installed base

Printers (100+ employees)	45
Printers (50-99)	14
Printers (20-49)	13
Printers (fewer than 20)	9
Corporate	6
Prepress	9
Publishers	4

Two Views of the...edge of the original and automatically feeds it through.

It features Advanced Copy Logic (an error -diffusion algorithm that refines black-and-white and gray- scale images), Dual Point Thresholding (black-point and white-point adjustments to help eliminate noise) and 2d Edge Sharpening to pick up finelines.

Like the earlier Titan, the...During scanning, the original image is pulled continuously across the scan area by rollers. In accuracy , the specifications aren't very high, although Kelley says they are fine for newspaper work. The specification claims an accuracy of ??02 inches over a 40-inch length, with a paper skew of (plus-or...

...Speed is the issue. For newspaper applications, speed generally is the most critical issue. Kelley quotes a speed of "less than a minute per page" to scan at 1,270 ppi...images--in the same operation.

Scans can be previewed and checked for tonal and color accuracy before the final scan. The images are stored on an internal scsi disk that can...button. The 36x36mm scan area enables Leica 35mm camera lenses to be used. Sensitivity is quoted as ISO 100.

The camera is supplied with SilverFast HDR software from LaserSoft (see scanners...

...electronic proof sheet" immediately upon capture. While in the

camera-ready mode, the user can delete unwanted images, change file names and output the proof sheet to a printer. Picture files...this summer.

The new back, which is slightly smaller than a Hasselblad film back, weighs 13 oz.

Nikon's Coolpix blurs demarcation line

Nikon Electronic Imaging exhibited 16x20-inch prints from...high quality, achieved by reading red, green and blue information from the entire ccd, thus eliminating interpolation.

The main eye catcher of this camera back is a magenta lever that rotates...

...it possible to shoot either vertical or horizontal images at the flick of a switch, eliminating the need to rotate the camera physically. This feature is known as "Leaf VHTwist."

Areas...inch cameras and will support adapters for medium-format cameras. The 6000 model, which costs \$ 13 ,000, will produce files up to 149 mb.

Seybold Seminars Boston (cont.)

Imposition Status Report...sheet user interface. Output to different devices can be set up with a Wizard to eliminate tedious functions such as the trial-and-error correction of punch configurations for film and...an economic and productive approach.

The introduction of Acrobat 4 (with pdf 1.3) has eliminated certain restrictions in the pdf workflow, such as the maximum of four process colors.

In...

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17/K/113 (Item 1 from file: 267)

DIALOG(R)File 267: Finance & Banking Newsletters

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00022154

**VCTs '97: Threats and Challenges A Critical Vintage?**

Simon Keeling, Director Corbett Keeling Limited\*

UK Venture Capital Journal

March 1,1997 **Document Type:** NEWSLETTER

**Publisher:** SECURITIES DATA PUBLISHING

**Language:** ENGLISH      **Word Count:** 5359      **Record Type:** FULLTEXT

(c) SECURITIES DATA PUBLISHING All Rts. Reserv.

**Company Names (DIALOG Generated):** Advent ; Augustus Trust ; AIM Distribution Trust ; British Smaller Companies ; BVCA Smaller Companies ; Close Brothers ; Downing Corporate Finance ; Downing Health ; Enterprise Trust ; Gabriel Trust ; Ivory & Sime Baronsmead ; Larpent Newton/Seed Capital ; Mainstream VCT ; Noble & Co ; Northern Venture Trust ; Oxford Technology ; Pennine AIM VCT II ; Protected Income & Partnership ; Protection Income & Partner ; Royal Bank of Scotland ; Venture Capital Trust



**Text:**

...investments will be made exclusively in AIM rather than unquoted stocks.

While these structures virtually eliminate downside for an investor eligible for full tax relief, and have the added benefit of...cut back on investment in the development of the company. At this end of the scale, buyout fundings almost invariably include an element to support a capex programme and are, in...of qualifying companies from which to choose. As the market continues to expand, it is probable that a greater degree of portfolio differentiation will emerge.

In contrast, asset backed VCTs are...of breaching the guidelines as non-qualifying bank loans can be sold, the margin for error is small when a maximum of 75% of the portfolio is held in "qualifying" holdings...

...report that fund raising is progressing satisfactorily compared with 1996, while looking forward to the probable rush in the closing fortnight of this tax year.

There are many good reasons why...money' into a safe haven and, instead of working on refinements of the regulations to eliminate funds which are not in line with the spirit of the legislation, will opt simply...liquidity resulting from realisations, combined with new capital available from conventional sources which may have eliminated the need for some potential candidates to launch the VCTs they had been contemplating.

It...would be to make mainstream VCTs even more attractive in terms of tax, but for credibility, it is essential that funds should be commercially viable regardless of tax. It is to...

...VCT	20.2
Northern Venture Trust	15.2
Pennine AIM VCT	4.6
Quester VCT	13 .6
TOTAL	163.7
Source: BVCA/Venture Economics	

For a business on the threshold of...in spite of its small size, as being sufficient to take it to a publicly quoted market in a short time (12 to 24 months); and it valued itself accurately in the broad range of #7 million +.

In writing its business plan, the Company quickly...

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17/K/114 (Item 1 from file: 624)

DIALOG(R)File 624: McGraw-Hill Publications

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01024301

Lean Thinking Spurs Culture Shift at LMAS

STANLEY W. KANDEBO

Aviation Week & Space Technology, Vol. 151,

No. 2, Pg 56

July 12, 1999

JOURNAL CODE: AW

SECTION HEADING: LEAN PRODUCTION ISSN: 0005-2175

WORD COUNT: 2,671

TEXT:

... Toyota production system, in 1997, the company has scored significant successes in its struggle to eliminate ''muda'' (Japanese for ''waste'') throughout its activities. Instituting manufacturing cells and single-piece flow on...

... floor-space requirements. Targeted initiatives in engineering have cut drawing release times while improving drawing accuracy. And business-centered activities are cutting proposal preparation times and streamlining office equipment procurement procedures...

... A METHOD of statistically measuring products and services to achieve world-class performance. The sigma scale of measurement can be applied to anything and typically is, but a common denominator is the number of defects per unit. Six typographical errors in a passage that contains 100 words would represent a three sigma level of quality...the distance parts travel during fabrication, a 54% decrease in work in production and a 13 % lowering of direct labor charges.

Workers in the small extrusion shop tell a similar tale...

... flow will be found, or processes will be adjusted so that the monuments can be eliminated, according to Dale Payne and Andy Martin, fabrication lean team members.

Besides the shop floor...

... was in charge of the process. Lastly, it often took months to get a price quote on an aircraft.

After studying the process, Donaldson's team made 11 specific recommendations to... the organizations, such as reliability, never made changes to drawings, so we were able to eliminate some of the signatures from the cycle," he said. "We also found that stress engineers...

... multiple times, (using the drawing sign-off cycle as an iterative process)," he added.

To eliminate these iterations, a designer now does a preliminary drawing with input from stress engineers. The...

... for a ''final drawing.'' This is again given to a stress engineer who verifies the accuracy of the drawing. Then, and only then, the drawing is sent out to pass through...

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0364724

MORE DOLLARS AND CENTS, cats AND TWO-LINE PROMPTS

Ray Swartz

Unix World, Vol. VIII, No. 11, Pg 147

November, 1991

JOURNAL CODE: UNIX

SECTION HEADING: Answers to UNIX ISSN: 0739-5922

WORD COUNT: 1,857

TEXT:

...and one question.

Michael Loukides comments on my suggestion that round-off error can be eliminated in monetary calculations by using data type double or a specialized data structure comprised of...

...cents.

You write "When dealing with dollars and cents, you only have to worry about errors large enough to affect hundredths of a dollar." This is incorrect. To handle very accurate financial computations, financial transactions must be handled with many digits behind the decimal point-I've seen as many as seven.

I suspect that 10 or so digits beyond the decimal point are commonly used-particularly if the application is portfolio management or financial modeling. Why? Introduce penny-sized round-off errors in a large compound interest calculation and the results will be off by a substantial...

... hundredths of a dollar is necessary in accounting applications-a statement I still believe is accurate .

Using a mortgage calculation as an example, Loukides suggests that several decimal digits are needed...

... used to represent the mortgage amount and needs no more than two digits of decimal accuracy . In fact, to make ...the C shell treats unquoted newlines as command terminators. Thus, if the newline isn't quoted , the assignment will fail. Listing 2B shows such a failure.

The C shell will ignore a newline only if it is quoted with

a backslash. Listing 2C demonstrates the proper command.

In the Bourne and Korn shells, two-line prompts can be defined simply by quoting the prompt with single quotes. Listing 2D shows a prompt setting command that will work in both of these shells...

SPECIAL FEATURE:

```
...rate; /* monthly interest rate paid */
12 double months; /* number of months to pay off loan */
13 double interest; /* amount of interest each month */
14 double payment; /* monthly payment */
15 double principal...
```

AUTHOR BIOGRAPHY:

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17/K/116 (Item 1 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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02108773    **Supplier Number:** 19840769 (Use Format 7 Or 9 For FULL TEXT )  
**Print '97: new press technology, CTP update, scanners and other news.**  
**(1997 Print trade show) (includes related articles on the Drupa trade**  
**show, negative and positive laser plates, the drum market and on**  
**Pantone's color standards) (Industry Trend or Event)**

Seybold Report on Publishing Systems , v27 , n3 , p3(36)  
Oct 13 , 1997  
ISSN: 0736-7260  
**Language:** English    **Record Type:** Fulltext  
**Word Count:** 30611    **Line Count:** 02323

...t all.

The press then uses direct-drive motors for every cylinder, allowing for very accurate control of every unit for registration purposes.

Heidelberg and Kodak. Another key announcement for the...on the press, the copper-coated areas accept ink and the remaining nickel oxide areas reject it.

Testing so far indicates an image life of at least 100,000 impressions. The...or a 532nm YAG laser.

The resolution is 2,540 dpi and the repeatability is quoted as 10?.

The price of the eight-page platesetter with an argon-ion laser is... hydrophobic surface, to which printing ink will adhere. The remaining aluminum surface is hydrophilic and rejects ink. The prototype on display in Chicago is almost identical in appearance to a standard...123 for a box of 100. The PlatePrep solution lists for \$8.90 per liter. Deletion fluid and a deletion pen are available for removing marks or unwanted images.

Base-Line. Base-Line showed a...the punch repeatability spec for a

four-color separation is 1.5 mils, which is accurate enough for a 150-line-screen halftone, the company claims, although some people would take...

...option, called PunchStream, includes an enhancement to the cutter that improves image-to-cut-edge accuracy to 1.5 mils and makes it possible to run a full, 34cm plate width...and cut plates from a single unit.

The Genesis images plates up to 21.6? 13 .5? (with an image area up to 12.2?, the maximum width of the capstan...

...At a resolution of 1,200 dpi, it will produce 70 tabloid-size (18.1? 13 .5?) plates per hour.

The unit is driven by a 5D Solutions Jaws software RIP...Dmax of 3.7, a dynamic range of 3.5 and a scanning depth of 13 bits-all a little shy of the T8000 specs.

The T5000 incorporates its own processor...when it provided its initial figure of ten. Now, we have been told, the most accurate number for comparison should be 50 originals per hour.

ScanView releases ScanDot

ScanView showed the...

...its competitor in this market, Cezanne, which has the largest scanning area of this group ( 13 .4? 20.9?) and the highest resolution (5,300 dpi optical, interpolated to 12,000...press. For years, it was widely accepted that only true dot-for-dot fidelity could accurately forecast the color tones, the traps and text rendition that would come off the press...digital blueline." BlackMagic's payback comes from catching the ordinary mistakes of daily work: imposition errors, wrong trapping, missing fonts or OPI images, separation goofs (e.g., unseparated RGB images, which...

...this reason, BlackMagic has extensive workflow configuration options: job queuing through hot folders, automatic rotation, scaling, thumbnail gallery displays and job purging. It also supports an impressive array of input file...customer feel comfortable with dotless proofs, from a software perspective the secret is in the accuracy of the color matching. BlackMagic already offers device calibration profiles that can be tweaked for...

...operating system.

Tabloid Proofers

We now turn to the products that claim to provide color- accurate proofs. First we'll look at the small printers, by which we mean devices that...

...press's ink density and dot gain. The dyes are also warranted to be color- accurate for 45 days-something no other vendor even mentions.

In operation, the image is recorded...

...paper. As a result, says Kodak, an Approval proof gives the art director a very accurate forecast of the final press sheet, and also gives the press operator a realistic target...tabloid-size prints from their dye-sub or ink-jet machines and talking about what accurate proofs these could be. Polaroid gave more direct evidence for its DryJet ink-jet engine...

...thermal-transfer ribbons, which are mounted in a plastic carrier for easy ribbon swapping. Registration accuracy is helped by a "chucking drum" that clamps the paper firmly and rotates in only...

...dpi; with a dye-sub ribbon, the engine can run at 300?600 dpi. Color accuracy is improved by a small ROM that's placed in the hub of each ribbon...Color-Art system.

The FirstProof hardware costs \$35,000. Each tabloid-size print costs

about \$ 13 (compared with about \$20 for a Color-Art proof) and takes less than eight minutes...and tolerably cheap, at \$7 per print. The suggested retail price for the hardware is \$ 13 ,500; to this, the OEM must add some sort of RIP. At Print, we were...

...banners), while Iris wraps a sheet of paper around a drum (which gives good registration accuracy ). Second, Iris uses a micro-drop technique: Each printed dot is made of many tiny...for the reliability and precision of the readings. By this, we don't mean absolute accuracy ; that's the domain of scientific instruments costing \$50,000 and up. Rather, what's important is relative accuracy (two instruments that measure the same sample should agree) and stability (a measurement today should...

...term repeatability and agreement among different units of the same brand and model. Obviously, the quoted accuracy will be obtained only if you observe basic procedures regarding warmup time, battery and bulb...

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17/K/117 (Item 2 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01867839 **Supplier Number: 16603363 (Use Format 7 Or 9 For FULL TEXT )**  
**Star ratings.**

Sharp, Wendy  
Macworld , v12 , n4 , p171(8)  
April , 1995  
ISSN: 0741-8647  
**Language: English    Record Type: Fulltext**  
**Word Count: 11964    Line Count: 01015**

...249.95. interface aside, this imagesetter-simulation software is generally disappointing. It can't automatically scale pages. it prints on a single sheet, and its error reporting is limited. Nov 94  
\*\*\* ClickBook 1.1, BookMaker Corp., 415/354-8161, \$69.95...

...it can give you a universe of unique faces. Oct 94  
\*\*\* FotoTune 1.1 (1. 13 ), Agfa Division of Miles, 508/658-5600, \$395. Color-management software has a capable engine...reads scanned chemical-structure drawings and interprets them, giving both a diagram for checking interpretation accuracy and a formal string representation of the structure. Nov 94

\*\*\*\* LabView for Mac 3.0...task with this simple but powerful file-management utility that lets you copy, move, rename, delete , and find files-without using the Finder. Jul 94  
\*\*\*\* Drive 73.0, Casa Blanca Works...435-9343, \$129. Comprehensive database program catalogs and stores all of your reference material--actual quotes as well as citations. It's a useful tool that researchers will appreciate. Mar 95...

...Macintosh, WordPerfect Corp., 801/225-5000, \$49.95. The low price, pleasant interface, and improved accuracy of this grammar checker make it worthwhile for a large number of quality-driven writers...395-7000, \$695. In a historic first for OCR, this Power Macintosh software has an accuracy

of 100 percent on good text samples. it does still make occasional baffling minor errors...996-1010, \$509. The tridot tube of this 15-inch monitor provides a sharp and accurate image, but reflects some glare. The built-in stereo speakers reproduce sound nicely and are...432-1090, \$569.95. Trinitron monitor has a flat screen that displays sharp, bright, and accurate images. With good anaglare coating and adjustable image tilt, it's worth looking at. Feb...  
...a pop-up menu. Oct 94  
\*\* RasterOps Morizen 24, Rasterops, 408/562-4200, \$1999. This 13-inch 24-bit accelerated graphics card is slower than anticipated and overpriced. The ROM can...

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17/K/118 (Item 3 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01791898    **Supplier Number: 16944003 (Use Format 7 Or 9 For FULL TEXT )**  
**Neural networks resource guide.(Directory)**

AI Expert , v10 , n6 , p35(8)  
June , 1995  
**Document Type:** Directory  
ISSN: 0888-3785  
**Language:** ENGLISH    **Record Type:** FULLTEXT  
**Word Count:** 7738    **Line Count:** 00658

**Text:**

...do not represent an endorsement by AI Expert. Although efforts have been made to ensure accuracy , we do not assume responsibility for error or omission in this section. Please contact the...

...map C++ class library. It includes hyperspace mapping (1D to nD), map and per-node error , and double precision with special scaling for high-resolution data and large dynamic range. No royalty. Source-code license included. Demo...auto mode. Several pretrained forecasters for market indices, stock prices, and currencies are provided. Besides time - series problems, it is also designed for solving classification problems and indicator analysis. Price: Contact vendor...

...robotics. Price: Contact vendor.

Office of Technology Transfer, N.I.H., 6011 Executive Blvd., Box 13 , Rockville, Md. 20852, (301) 496-7735 ext. 285, fax (301) 402-0220.

Oxford Computer Inc...The Adaptive Exponential Moving Average tool smooths data with minimum time lag. The Data Decorrelator eliminates correlated inputs. And WaveSamp provides an optimum method for sampling cyclical data sets. The latter...

...and product selection. It also includes a 300-page report that has additional sections on time - series forecasting and project management and covers factors for success along with payoffs, perils, and pitfalls...



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17/K/119 (Item 4 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01791896 **Supplier Number:** 16943999 (Use Format 7 Or 9 For FULL TEXT )

**Box-Jenkins forecast model identification. (includes a related article the mathematics behind the back-propagation technique described)(Cover Story)(Technical)**

Reynolds, Steven B.; Mellichamp, Joseph M.; Smith, Robert E.

AI Expert , v10 , n6 , p15(14)

June , 1995

**Document Type:** Cover Story Technical

ISSN: 0888-3785

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 9885 **Line Count:** 00846

**Abstract:** Box-Jenkins ARIMA forecasting models produce better forecasts than other time - series forecasting methods, but the model identification task is complex. The Box-Jenkins model identification problem for nonseasonal time series is addressed here using three-layer back-propagation artificial neural networks. Two neural networks are created: the first determines the number of regular differences required to render a time series stationary, and the second identifies appropriate Box-Jenkins models for stationary series indicated by the... ..are shown to be very effective in identifying appropriate Box-Jenkins ARIMA models for nonseasonal time series ; models recommended were consistently better in terms of quality and fit than those indicated by...

**Abstract:**

**Text:**

Box-Jenkins ARIMA forecasting models have been shown to produce better forecasts than other time - series forecasting methods. However, practitioners have been reluctant to use Box-Jenkins models, in part, because...

In this research, the Box-Jenkins model identification problem for nonseasonal time series was addressed using three-layer back-propagation artificial neural networks. We constructed two neural networks...

...We designed the first to determine the number of regular differences required to render a time series stationary. We designed a second neural network to identify appropriate Box-Jenkins models for stationary...

...indicate that neural networks are very effective in identifying appropriate Box-Jenkins ARIMA models nonseasonal time series . Tests of the networks' performance in identifying appropriate models for series of

various lengths confirmed...

...can have serious disruptive effects on business operations." One general class of forecasting is called time series. In time-series forecasting, one presumes to know nothing about real-world causal relationships that affect the variable that is being forecasted. Rather, the future behavior of a time series is inferred from its past behavior. A number of methods exist for forecasting a time series from its own past values. One of the most consistently successful time-series forecasting models was developed by George E. P. Box and Gwilym M. Jenkins.

Box-Jenkins ARIMA forecasting models have been shown to produce better forecasts than other time-series forecasting methods. However, practitioners have been reluctant to use Box-Jenkins models, in part, because...

...expert systems technology. Here, we address the Box-Jenkins model identification problem for univariate nonstationary time series using three-layer backpropagation artificial neural networks.

#### IDENTIFICATION PROBLEM

The literature in time-series forecasting clearly indicates that, properly applied, the Box-Jenkins approach to time-series forecasting yields forecasts that are superior to those resulting from other standard time-series forecasting procedures. As a result, the method has received much attention and has been examined...

...due to the difficulties associated with model identification.

Vandaele states, "Identification is the key to time-series model building." Box-Jenkins nonseasonal time-series models consist of three components: an autoregressive (AR) component, a moving average (MA) component, and...

...model components.

The first of these three components is the AR component. A purely autoregressive time series is described by Box and Jenkins as "a practically occurring series where the current value...

...Expression Omitted|

where  $[\mu]$  is the process mean.

In a purely MA process, an observed time series is described as a function of a finite number of previous random shocks. That is...

...The integration term is used to denote the number of regular differences taken in a time series to achieve stationarity. As will be discussed in more detail later, determining the number of...

...state that it is sometimes advantageous to include both AR and MA terms in a time-series model. Box-Jenkins models are typically denoted ARIMA (p,d,q) where p indicates the...

...and the partial autocorrelation function (PACF). Autocorrelations are "the statistical measures that indicate how a time series is related to itself over time. More precisely, an autocorrelation measures how strongly time-series values at a specific number of periods (lags) apart are correlated to each other over problems arise. A time series is a single observation of an event. Since only a single observation is available, the ...

...variation is associated with those estimates. Thus, analysts must judiciously consider the variance of the time series ACF and PACF while conducting Box-Jenkins model identification.

Another factor that clouds the model...

...exacerbate the Box-Jenkins model identification task is not surprising.

The autoregressive and moving average time - series models described earlier are both predicated on the assumption that the underlying time series is stationary. A stationary time series is defined as one that has a mean that fluctuates consistently about some fixed level...

...a constant autocorrelation function over time. However, the literature indicates that most of the actual time series of interest are nonstationary. In fact, most series actually encountered in industry or business exhibit...

...series (the variance) is stable over time.

The ACF is useful for determining if a time series is stationary. As a general rule, if the spikes in the ACF drop off rapidly...

...Pankratz states, "Unnecessary differencing creates artificial patterns in a series and tends to reduce forecast accuracy ." On the other hand, Box and Jenkins advise that if doubt exists as to whether...better forecasts. Models with too many parameters often overfit the available data, thus reducing forecast accuracy . In fact, Box and Jenkins contend that the principle of parsimony cannot be overemphasized. They state that actually occurring stationary time series usually can be represented adequately with AR, MA, or mixed ARMA models in which p...apply neural network technology to the task of identifying appropriate Box-Jenkins forecasting models for time series . Two neural networks were developed to accomplish this task. One neural network (Stage 1) was designed to determine the number of regular differences required to obtain stationarity for a given time series . A second neural network (Stage 2) was constructed and trained to identify the appropriate order...

#### ...NONSTATIONARY SERIES

The Box-Jenkins ARIMA model identification method assumes the statistical process underlying a time series of interest is stationary. That is, the mean and variance of the series are stable over time. However, as pointed out by Nelson, Hoff, and Texter, and Ord, most actual time series are not stationary. Rather most time series that arise in economic and business applications are homogeneous nonstationary processes.

A stationary data series...

...48 series were input to the Execustat statistical software package, and the ACFs and standard errors were computed for the first six elements of each series. Next, to add robustness to the network training process, the 48 ACF/standard error vectors were input to a BASIC program for noise addition. Caudill describes the benefits of...

...depends on your data, expected level of noise in the final system, and so on. Scale the noise level to the type and difficulty of the problem for maximum network efficiency...inputs. Mozer and Smolensky termed this sort of network pruning "skeletonization." They contend that by eliminating input and hidden units that serve no purpose, networks can be trained more quickly and...two networks discussed earlier--the development of the Stage 2 neural network to map stationary time series to the six basic Box-Jenkins models. The first step in this portion of the...

...Further analyses were conducted to examine the extent of this apparent problem. An additional 57 time series were simulated. This set of data included three series from each of the 19 subcases...that produced the best results was the network with 18 hidden nodes.

The same 57 time series were also evaluated in the Forecast Pro expert system. Tables 4 and 5 summarize the...

...the Stage 2 neural network in identifying appropriate stationary

Box-Jenkins models for the 57 time series. Note the network identified the best fitting models for 32 of the time series. In addition, "good" models were indicated for 12 series. When eight of the models recommended ...

...Table 5 summarizes the Box-Jenkins model recommendations resulting from the input of the 57 time series to the Forecast Pro expert system. As shown, the Forecast Pro expert system correctly identified the best fitting basic model for 25 of the 57 time series.

Additionally, the system recommended 17 "good" models. However, the expert system also recommended nonparsimonious models identified

#### RESULTS

Testing of the neural networks with actual time series was conducted in two phases. In the first phase, the networks were presented with ACF and PACF inputs resulting from actual time series that were of approximately the same length as those series used to train the networks...

...assess the generalization abilities of the networks in identifying appropriate Box-Jenkins models for actual time series of greater lengths.

#### SIMILAR LENGTH TIME SERIES

Monthly sales data were collected from a large steel manufacturing company to conduct the phase...

...to achieve stationarity. The first step in this process was the input of the 36 time series to Execustat for computation of the ACF values. These results were arranged in vectors containing...

...and more than two differences are virtually never needed.

The initial presentation of the 36 time series to the Stage 1 neural network indicated that only five of the series were nonstationary... The results indicated that with the single differencing of the five nonstationary series, all 36 time series were stationary.

After ensuring the 36 time series were correctly differenced, the Stage 2 neural network was used to identify appropriate stationary Box...

...assess the appropriateness of the neural network Box-Jenkins model recommendations, each of the 36 time series was input to the Forecast Pro expert system. After obtaining the expert system model recommendations ...

...system and the neural networks provided identical ARIMA model recommendations for 12 of the 36 time series analyzed. Note also that in terms of poor model quality indicators, both systems produced nine...

...the recommended model's fit to the analysis period data showed that, among the 24 time series with differing recommended models, the neural network model forecasts produced lower RMSEs, and thus, better...

...two model identification systems had virtually equal performance.

In summary, the analysis of 36 actual time series indicated that the Box-Jenkins models recommended by the neural network system provided better fits...

...flawed models recommended. Further, the recommended models were virtually identical in terms of forecasting abilities.

#### TIME SERIES OF GREATER LENGTHS

The second phase of testing the neural networks with actual data involved the analysis of time series that were twice and three times longer than those used to train the Stage 1...

...and partial autocorrelation are inversely proportional to the square

root of the length of the time series from which they are computed. The vectors used to train the neural networks in this...

...networks in identifying appropriate Box-Jenkins models for actual series of greater lengths, 30 actual time series were taken from various sources. Fifteen of the series were of length 100 and the...

...of length 50, they performed quite well in identifying appropriate Box-Jenkins models for longer time series. In fact, as shown in Table 7, identical models were recommended for 17 of the 30 series tested. Among the 13 series for which the two systems recommended different models, the neural network recommendations were often...

...recommendations outperformed the expert system model forecasts in terms of validation period RMSEs. Among the 13 cases compared, the neural network validation period RMSEs for eight series were better or equal...  
...for series that were twice and three times longer.

#### POWERFUL TOOLS

The problem of relating time series to appropriate Box-Jenkins ARIMA models has been approached in a variety of ways, including statistical ...this study was to use artificial neural networks to identify appropriate Box-Jenkins models for time series. The results presented in this paper clearly indicated that a three-layer backpropagation artificial neural network is a superior method of identifying Box-Jenkins models for univariate nonseasonal time series. The application of neural networks produced results that were both accurate and robust. Based on our findings, it seems clear that an extension of our work...

...the application of neural networks for solving the Box-Jenkins model identification problem for seasonal time series is both warranted and feasible.

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**Nexpo, II: electronic delivery, output, digital photography, image databases. (report on Nexpo 1994 conference) (includes color photo insert comparing image quality of output from four digital cameras)**

Edwards, Stephen E.; Neeff, David; Rossello, Rosanne; Tribute, Andrew

Seybold Report on Publishing Systems , v23 , n22 , p3(55)

August 15 , 1994

ISSN: 0736-7260

**Language:** ENGLISH **Record Type:** FULLTEXT

**Word Count:** 39427 **Line Count:** 03014

...is in wide use in the UK. (See Special Report, Vol. 2, No. 8, p. 13 .)

The announcement follows a decision, announced at the March Seminars, to address the bottleneck of...separated into single ads at the receiving site. It also allows for correcting minor mounting errors like skewing, and to cut ads to a fixed border size. The system allows for...  
...exact size booked from an ad order-entry system, even where this would require anamorphic scaling .

The system is looking better every time we see it. Its versatility -- from full-page...of key benefits. First, items will be available almost instantly from the local database, which eliminates the need to rely on phone calls that might not get through and the delays...can then verify media formats, reformat selected media, archive selected data, and handle database creation, deletion and control security. It can also work with T/One's PhotoWrap for attaching iptc...or any string or word in its definition field.

File exclusions can be added or deleted under the Preferences menu. Suffixes can be identified for archival of non-Macintosh files. For...

...follows: It costs \$10 per hour to dial in locally at 9,600 baud, or \$ 13 per hour at 14,400 baud via toll-free number. In Canada, access at 14... however, you neglect to download your pictures before the battery runs out, they will be deleted . (We took 32 pictures at the show, but lost them before we had a chance...found when installing the software on our Quadra 800, it is incompatible with Suitcase 2. 13 , which we had to remove from our system in order to run the QuickTake software...

...heat instead of chemicals. The paper version finishes with a blue cast that can be eliminated with the appropriate camera setting. We reproduced some samples in our Special Report from Seybold...the temperature and humidity at the appropriate levels to avoid problems with paper handling. \* Registrational accuracy . To improve the accuracy in laying down dots, an optical encoder has been added to evaluate the position of...

...going through the system. Keep in mind, of course, that the target is a registrational accuracy within 6 mils (.006[inches]), not within a fraction of a mil, as is required of film-based imagesetters. \* Separate motors. Also to improve accuracy , separate motor drive systems are used to control the paper path and the photo conductor...

...it will be useful in producing process-color jobs, which is curious if the typical accuracy is only 6 mils (.006[inches]).

The imaging speed is 24.5[inches] per minute...based on the publication schedule.

A queue manager allows operators to go into queues and delete files, rearrange priorities, monitor activity, etc. To change the attributes of a job, a window...the cmyk images screened for output back into an rgb image for screen display. It accurately displays the color for checking color on a calibrated monitor. This can be used both...range, depending on configuration. \* Panther Color Printer -- as before, a 300-dpi

dye-sublimation printer; \$ 13 ,995 with rip, \$11,995 without rip. \* Panther Laser Printer -- Canon LBP/BX 600-dpi...resolutions of 1,446 dpi, which will help for producing both text and graphics. Registration accuracy is reasonable for a capstan device. Bidco quotes horizontal and vertical registration accuracy , measured across the full imaging width, as [+ or -]0.5 mils over a 10[inches] ...have been sent to the recorder, they can be held for possible reuse later or deleted automatically.

One rip can drive up to four recorders, automatically switching devices.

Total Systems Engineering...personal comments or specify custom filtering criteria. Tags can be archived with an image or deleted after production.

The system itself also now supports output to multiple compact disc recorders of...densely packed. The market leader, ScanView from Denmark, already has its ScanMate Magic selling at \$ 13 ,000 and its enhanced ScanMate Plus with pmt image sensing selling at \$19,500. Both...

...dpi and a fixed A4-size drum. At the bottom end of the range, the \$ 13 ,500 ScanMate Magic uses laser-diode sensing technology at 2,000 dpi and a fixed...

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17/K/121 (Item 6 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01688545 **Supplier Number: 15356060 (Use Format 7 Or 9 For FULL TEXT )**

**Tools and utilities. (1994 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)**

DBMS , v7 , n6 , p63(29)

June 15 , 1994

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 46074 **Line Count:** 03903

...to survive a test without failure; visual appearance of its interface; status of underlying controls; accuracy of generated files; an application's performance; and its effect on system resources. Provides both...

...based on networks of workstations, servrs, and mainframes by running multiple what-if scenarios. By accurately modeling the behavior of the entire information system, including the computing resources, the network, the...modifications to the software. Special algorithms and configurable delays ensure that replayed Test scripts will accurately record screen shots, even when host responses to terminal output vary in speed. Requires MS...Windows-like pushbuttons, checkboxes, radio buttons, and so on. Complexities such as cascading replaces and deletes are handled automatically. Intelligent defaults can be overridden. Compatible with Flexible, R&R, Bandit, Successwave...Clipper, dBASE III/IV, FoxBase, FoxPro, or Quicksilver/dBXL. Supports data validation clauses, input pictures, error messages, and help prompts. Field descriptions can be pulled from .dbf files. Frequently used expressions...

...for EGA and VGA, such as 43-line and 50-line modes and VGA gray-scale emulation. Supports dual monitor systems, with a monitor-switching feature for testing multiple target displays...and all graphics and notation. Lets users represent the system graphically, provides automatic completeness and accuracy checking, and generates C++ and Ada code. ObjectTeam for RuMbaugh completely automates Rumbaugh Object Modeling...CASE tool that reduces the cost of developing and maintaining relational applications by producing an accurate, specified relational schema. Electronic sketch pads let the designer graphically model real-world business rules...that supports more than 80 different software formats, including statistical software, spreadsheets, databases, word processors, time-series packages, and ASCII files. Supports DOS and Windows application software. Offers complete file-transfer capabilities...

...XDB environment on the PC. Features include: ISPF-like line commands for insert, repeat, and delete of rows; global find and change; specification of selection criteria without coding SQL; custom display...10,000-\$38,000.

Transform N Systems, Bellevue, WA 206-450-0815

Through selective addition, deletion and renaming of target, source table, or columns, transform offers modifiable, automatic conversion, copy management...these databases in a LAN or WAN environment from the desktop. Uses an intuitive GUI, eliminating the need to write lengthy, complex SQL scripts. With the interface, migrating a database involves...table rows and columns, and copies to a new table under referential integrity. Used to delete columns, copy tables, and remove referential-integrity violations in one server or between servers. Distributed...

...data between tables, and compute new columns. With drag-and-drop interface, users can update, delete, insert, and browse the distributed update plan by dropping column and formula objects into smart...8672

Provides a menu interface to the Oracle database that allows more efficient administration by eliminating the need for SQL scripts and commands so ...7575; 800-235-7576

A data-integrity tool that lets database managers easily ensure the accuracy and validity of Xbase database files. Provides mainframe-like integrity checking for existing Xbase systems...

...database to locate integrity violations. Allows options for responding to integrity violations such as Browse, Delete, Copy To, and Print Report. Supports entity, domain, and referential-integrity rules. Also supports custom...administrators and application developers to quickly isolate problems, effectively manage and utilize systems resources, and accurately fine-tune the SQL Server for optimal performance. Client component for Unix platforms: \$1880-\$69...

...WA 206-670-3806

A file-packing utility for FilePro databases that compresses filePro files, eliminating deleted records while rebuilding automatic indexes. The program increases efficiency by freeing up disk space. Supports...A.S. Inc. (Abacus Systems), Minot, ND 701-838-4686; 800-992-0616

A full-scale DBMS for Xbase files that uses CA-Clipper-style indexes. Includes capabilities such as storing...a subset of the main database for high-speed access; and a method of tracking errors. Through a procedural language based on dBASE, using .dbf and CA-Clipper .ntx indexes, vxBASE...the phone rings. Also includes a DOS shell function that replaces the Run command and eliminates "Run command failed" and "Program too big to fit memory" errors. Includes a DOS-in...lets developer focus on their applications, not the complexities of the GUI. It manages memory, eliminates state-change problems, and reduces code volume. \$499 and up.

CodeBase 5.1 Sequiter Software...

...2.0, and CA-Clipper. CodeBasic uses familiar dBASE commands such as Skip, Seek, Top, Delete, and Pack. Lets developers take advantage of



FoxPro's compact index files to speed up...Development Corp., Hampstead, NH  
603-329-5522; 800-333-3429

Works like MSLib to add, delete, and extract modules. Users can  
rename duplicate public symbols to remove conflicts between third-party...

...Features more than 400 functions written in C+ and Assembly called  
directly from CA-Clipper, eliminating the need for a C compiler, an  
Assembler, or Novell's C interface library. Integrates...FrameMaker 4.  
Automatically generates formatted FrameMaker 4 documents directly from  
information stored in a database, eliminating the need for manual  
cutting, pasting, and reformatting of data into a document. runs on...

...PostScript printer, including IBM's 360 dpi PS 4079. Allows any screen  
to be printed accurately, from 40x25 text mode to 1024x768x256-color  
graphics modes. Produces high-quality output for image...

...Supports HP LaserJet, PostScript, and dot matrix Printers. \$249.  
Stainless-steel barcode reader that reads 13 barcode symbologies in  
available for \$295. Reader service #869.

dBEST Printer Drivers 4.0 Hallogram...all major databases without an  
intermediate dictionary. Instant field and file selection from scrolling  
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format lets users see how the...

...file, showing all variables used, can be generated during disassembly.  
Ensures against accidental source-file deletion and assists RunTime+  
users who need to modify their applications but cannot contact the original  
...a printer, or a text file. \$69.

Purge FMS Inc., Vienna, VA 703-356-4700

Eliminates duplicate names and addresses from Paradox mailing  
lists. Purge one or several tables at the...

...on multiple fields detects duplicate records. Windowed browsing allows  
simultaneous and quick comparison, merging, and deleting of duplicates  
with a single mouse click. Menu-driven. Supports Paradox DOS 4.0 OR...

...Manager, Configuration Builder, Production Gateway, Developer's Toolkit,  
and Reporter. Supports 14 operating systems and 13 development  
environments across all types of development objects. Operates seamlessly  
across OS/2, Windows, Windows...

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17/K/122 (Item 7 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01666442 **Supplier Number:** 15010226 (Use Format 7 Or 9 For FULL TEXT)

**We Have Mail. (Letter to the Editor)**

C Users Journal, v12, n1, p116(10)

Jan, 1994

**Document Type:** Letter to the Editor

ISSN: 0898-9788

**Language:** ENGLISH **Record Type:** FULLTEXT

**Word Count:** 10061 **Line Count:** 00740

```

...int Easter(int Year) { int Y, A, B, C, D, Month, Day;
    /* Return false on domain error */ if ( (Year<1900) [parallel]
(Year>2099) ) return 0;
    /* Compute Easter day */ Y = Year - 1900; A...local.h.) There are a
number of these algorithms, but which is fastest, smallest, most accurate
, simpler, most portable, easier to modify, etc.? We can't keep on
re-inventing the...that. In addition, some experiments with my own code has
convinced me that this approach eliminates a large amount of code, which
is to say, the object files are a lot...mode 18 (native VGA) I draw X-Y
axes on a screen, label, them, make tick marks on the axes, and again
label them. Then I draw a graph from data...s JULy article on C++ Streams.
However I wish somebody would provide an exhaustive and accurate list of
the effects of all format flags for both input and output. Also, there...
You didn't qualify PIZZA with struct (or typedef it).
    The program shown in Listing 13 works fine.
    If you are using C++, you really shouldn't be using calloc. Listing
...x)*d[i]/h; dd = t-c[i]; if (fabs(t)>1.e15) fprintf(stderr, " Probable
loss of accuracy in " "RATINT. fabs(t) > 1.e15 for X = %.8G/n",x); if
dd == 0.0...

...off */
    /* End of File */
    Listing 11 copyfix.c
    while (*from) { if (blank or tab) { /* stuff deleted . */ } /* its
not a blank or tab now. */ if (*from) /* We use terminator to end outer...

...define TEST[underscore]SUFFIX "sfx test"
    main() { char *sfx; /* to check suffix for violation. */
    /* stuff deleted . */
    do {
        strcpy(buf, testin[testcase]); sfx = buf + strlen(buf)+1; strcpy(sfx,
TEST[underscore]SUFFIX);
        /* tested function call return value deleted . */
        if (strcmp(buf, testout[testcase]) != 0) { /* error message deleted
. */ } if (strcmp(sfx, TEST[underscore]SUFFIX) != 0) { /* new error
messages. */
        } } while (not end of test data); /* final report deleted . */ } /*
End of File */
    Listing 13 pizza.c
    /* pizza.c */ #include #include
#include
    struct PIZZA...

```

---

17/K/123 (Item 8 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01535062 **Supplier Number: 11980266 (Use Format 7 Or 9 For FULL TEXT )**  
**101 tips for WordPerfect. (Wordperfect Corp.'s word processing**  
**software)(includes related article on using MS-DOS and Windows versions)**  
**(Tutorial)**

White, Ron  
PC-Computing , v5 , n4 , p110(26)

April , 1992

**Document Type:** Tutorial

ISSN: 0899-1847

**Language:** ENGLISH    **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 18147    **Line Count:** 01357

**Abstract:** ...resources and speeding response with expanded memory. 'Formatting Text' includes tips for globally changing footnotes, deleting formatting codes, creating impressive pull- quotes and setting custom line spacing. 'Graphics' includes tips for creating check boxes in Windows, incorporating ...

**Abstract:**

...the 256-color bug (a problem with some 256-color drivers that causes Unrecoverable Application Errors ) but WordPerfect for Windows also runs faster because it has less information to manipulate. A...

...rather than those supplied with Windows. WordPerfect's drivers are appreciably faster. Currently, however, some scalable font packages such as Adobe Type Manager work only with the Windows printer drivers. But... apply to the notes. The same technique can be applied to headers and footers.

8. Delete formatting codes {{ WIN If you find that deletion keystrokes skip over formatting codes you want to delete in WordPerfect for Windows, there are two solutions. The first is to choose File, Preferences, Environment and check the box labeled Confirm on Code Deletion . When this box is checked, a confirmation box appears any time a deletion keystroke would remove a code. When Confirm on Code Deletion is unchecked, deletion keystrokes skip over codes entirely. Another solution is to open the Reveal Codes window. Then deletion keys will zap codes as well as regular text.

9. Create great-looking pull- quotes {{ DOS Spice up your WordPerfect for DOS desktop publishing documents by using pull- quotes --quotations lifted from the main body text and set off in large type. Before defining the first pull- quote , you must set the text box options by pressing Graphics (Alt-F9), Text Box (3...  
...the Inside Border Space (3) to 0 inches on all sides.

To create a pull- quote , use Block (Alt-F4) to select the text you want to quote , then press Move (Ctrl-F4), Block (1), Copy (2). Now press Graphics (Alt-F9), Text...To turn it off, choose File, Preferences, Environment and uncheck the Auto Code Placement box.

13 . Update document settings {{ DOS/WIN If you change your Initial Codes--which WordPerfect for DOS...

...s initial codes and uses only its text and inline formatting. If necessary, you can delete the initial space or return and then save the old document under its original name...

...the Tab Set Menu by pressing Format (Shift-F8), Line (1), Tab Set (8), and Delete to End of Line (Ctrl-End).

Then, indicate the type of tab you want to...double-click any of the ruler buttons. This brings up the associated dialog box and eliminates the need to keep similar buttons on your Button Bar.

25. Select text easily {{ DOS...are copied and replace any existing tabs the shaded area is moved to.

You can delete an entire series of tabs by shading them and dragging them below the ruler.

27...

...the column, click and drag anywhere in the shaded area between the two markers. To delete a margin entirely, which reduces the number of columns, click and drag the shaded area...tasks.

For each group of macros that you want to use, create a macro that deletes the macros currently assigned to the menu and assigns the new set. For example, suppose...

...Enter. Because you didn't answer those prompts, the tildes (approximately) will be positioned incorrectly. Delete all tildes except the one at the end of the text and the commands shown here. Also, delete any extra spaces before and after the menu

Next, create the macro that pops up...

...you use the arrow keys to move to the desired item. If you add or delete items from the list after you've created the macro, the position of the item...one task on the same block.

48. Move text quickly {{{{{{ DOS/WIN If you accidentally delete text, both versions of WordPerfect let you quickly restore it. In the DOS version, press...

...text quickly from one location to another.

Block the text you wish to move and delete it. Then move the cursor to where you want to place the text. Follow the restore steps and the text will reappear. You can restore only the last three deletions, so be careful not to make too many deletions before you reposition the cursor.

49. Check spelling efficiently {{{{{{ DOS When checking spelling in WordPerfect...with landscape fonts. Under the text box's Options menu, change Borders to None to eliminate the box that surrounds the landscape text.

54. Print files to disk {{{{ DOS/WIN A...

...formatting you want.

Run this macro just before you print. If you've added or deleted text in the document since you last ran the macro, the total number of pages...empty in the address file.

In the following example, there's no danger of unwelcome deletions, since each line contains just one field: {FIELD}title?[approximately] {FIELD}magazine?[approximately] {FIELD}address1...

...you must use {IF NOT BLANK} instead of "?" to prevent text and codes from being deleted :

Dear {IF NOT BLANK} salutation[approximately]{IF NOT BLANK{lastname[approximately]{FIELD}salutation[approximately] {FIELD...want it to appear. The columns of information will realign to match your changes.

To delete a column from the directory listing, drag its heading off the Column Manager. To change...Open the dialog box by clicking on File Open. Select any file you want to delete, move, rename, or copy, and then click and hold on the Options button. Then choose the Delete, Copy, or Move/Rename.

In WordPerfect for DOS, press List Files (F5) and select the Delete, Copy, or Move/Rename options.

66. Search across directories {{{{{{ DOS/WIN Use the Find choice...

...Use faster DOS commands {{{{{{ DOS To perform common DOS functions such as Copy, Rename, and Delete in WordPerfect for DOS, use the DOS Command function (Ctrl-F1, 2) instead of List...F7) to return to the normal editing screen.

These methods work best when you first delete any unneeded tab stops.

76. Convert tables to text {{{{{{ DOS/WIN If you need to...press Del. WordPerfect for Windows will present a dialog box asking if you want

to delete the entire table, its contents (text only), or its table structure (leave text). Choose Table Structure and click on OK. WordPerfect for DOS will automatically delete the table structure and leave the text intact.

77. Correct table displays {{{{{{ WIN If the...you pressed Home before Define Macro, you'll go directly to the macro-editing screen. Delete the {DISPLAY OFF} code and press Text Out (Ctrl-F5), T (for text), and S...

...you preserve formatting when you transfer documents to other WordPerfect users. The transfer process also eliminates the need to remove hard-return codes ([HRT]) inserted during ASCII transfers.

Before you upload...You'll see a message that WordPerfect is converting the file from DOS format. Block- delete any e-mail information, such as the sender's name, from the top and bottom...

...dictionaries. By quickly checking a supplemental list before adding it to disk, you can easily eliminate duplicated words. Just delete any words that are not flagged by the speller or add the unflagged words, which ...

...changed. For instance, if you save a document with underlining or boldface codes, and then delete these formatting codes and exit the document, you often get the "Text not modified" message...

...codes {{{{{ WIN In WordPerfect for DOS, you can backspace or use the Del key without deleting formatting codes such as those for boldface or italics. WordPerfect for Windows, however, will delete these formatting codes without any warning unless you make a change in the Preferences dialog box.

Choose File, Preferences, Environment and check the box labeled Confirm on Code Deletion . You must exit WordPerfect and run it again for the change to take effect, but...

...erase a formatting code, WordPerfect will present a dialog box asking you to confirm the deletion .

BUG SWATTERS

98. Know probable UAE causes {{{{{ WIN A possible source of Unrecoverable Application Errors (UAEs) in WordPerfect for Windows...

...to open a new document. Enter a single space--or any other character--and then delete it. Then use File, Retrieve to import the bloated document into the new file. Finally...

---

17/K/124 (Item 9 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01522280 **Supplier Number: 12335096 (Use Format 7 Or 9 For FULL TEXT )**  
**MacUser minifinders: 1001 Macintosh products. (Buyers Guide)**

MacUser , v8 , n8 , p87(52)  
August , 1992  
**Document Type: Buyers Guide**

ISSN: 0884-0997

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 77991 **Line Count:** 06173

...maps and supporting data available (some at additional cost). Version 1.01 reviewed. Version 1.13 shipping. Requires Mac Plus or later with 2 MB of RAM. \$995; additional maps, boundary...626]

Display Systems & Video

Apple Display 824

This 24-bit color display system combines the 13 -inch AppleColor Hi-Res RGB Display with the Macintosh Display Card 824. The screen may...  
...91) [MF#628]

Apple Display 824 GC

This 24-bit color display system combines the 13 -inch AppleColor Hi-Res RGB Display with the fast Macintosh Display Card 824 gc. The...

...AppleColor High-Resolution RGB Monitor

The AppleColor High-Resolution RGB Monitor is the standard among 13 -inch monitors. It's very bright but lacks built-in glare protection. Can support 24...card, a cable, and a 15-inch Toshiba shadow-mask monitor. Active screen size is 13 .22 inches. Monitor can rotate 90 degrees between portrait and landscape orientations. Offers excellent focus...card, a cable, and a 15-inch Toshiba shadow-mask monitor. Active screen size is 13 .22 inches. Monitor can rotate 90 degrees between portrait and landscape orientations. Offers excellent focus...

...pick up broadcast and cable TV. Accepts audio from TVs, VCRs, and videodisc players. Clear, accurate image quality. Limited software. Video-in options include composite, RF, and RGB. Supports NTSC or...

...digitizing and display board as well as a 24-bit display card for the Apple 13 -inch monitor. Good but limited software. Requires Mac II series. \$1,999. RasterOps, 2500 Walsh...for small businesses. Features very good security, customizable reports, flexible fiscal calendar with 12 or 13 periods per fiscal year and as many as 26 open periods stored on-line.

Version...state tax forms. Intuitive and easy to use, with all separate forms automatically interlinked for accurate recalculation. Accepts data from the leading personal-finance programs. Displays in WYSIWYG format and then...certain parts of charts while locking other areas down. Version 1.0 reviewed. Version 1.13 shipping. Requires Mac Plus or later. \$149. Tree Star, Inc., 116 Memory Ln., Campbell, CA...27419.  
919-299-4843. (Sept '91) [MF#797]

Vellum 3D

Vellum 3D is a highly- accurate 3-D-wireframe-CAD program with 2-D drafting capabilities. Doesn't offer hidden-line...Francisco, CA 94103.  
415-442-0200. (Aug '91) [MF#811]

Totem Graphics

Totem Graphics has 13 volumes of PostScript images in 24-bit color. Color blends and fine details look superb...Version 2.31 shipping. Requires QuarkXPress. \$395. North Atlantic Publishing Systems, 9 Acton Rd., Ste. 13, Chelmsford, MA 01824. 508-250-8080. (Sept '90) [MF#850]

DataShaper

This PageMaker text-import...for controlling video peripherals. Adequate for consumer-level presentations that don't need professional frame- accurate synchronization. Version 1.1 reviewed. Version 1.2 shipping. Requires color-capable Mac with 2...connects to ADB port. Cordless pen and puck are battery-powered, easy to use, and accurate. Planned pressure-sensitive version of this tablet will use serial port. Requires Macintosh SE or...  
...Mac's serial port). Both configurations work with corded or cordless pens and pucks, but accuracy may suffer if input pen is tilted. Complex

documentation. Requires Mac SE or later for...490-1403. (May '92) [MF#908]

Mouse Systems A3 Mouse

The A3 Mouse is an accurate, three-button, A/UX-compatible input device. Has 300-dpi tracking resolution. Uses optical sensor...

...a light, portable digitizing tablet that offers easy plug-and-play setup. Has well-designed, accurate pen and puck. No cordless pointing devices are available. Requires Mac SE or later. \$595...

...and attached SCSI-interface box that digitizes sound into patterns the Mac can recognize. Surprisingly accurate voice recognition after the software has adapted to an individual's voice. Replicates many frequent...

...modem port. Sensing area is 6 x 9 inches. Resolution is 770 lpi with high accuracy. Much more responsive than a mouse. Requires Mac Plus or later. \$695. Wacom Technology Corp...fine-tunes compositions according to Boolean selection and editing criteria. Timing resolution is only 192 ticks per quarter note. Includes driver for DigiDesign's SampleCell NuBus card. Compatible with Apple's...Version 1.2 shipping. \$299 per user; Oracle database for Mac, \$699; server, \$920 to \$13,000. Oracle Corp., 500 Oracle Pkwy., Redwood Shores, CA 94065. 800-345-3267 or 415...the East Coast) and then sets your Macintosh's internal clock to within one-second accuracy. Version 1.8.1 shipping. Requires 300-bps or faster modem. Free from on-line ...

...interface and excellent control of recorded or system sounds. Version 1.0 reviewed. Version 1.13 shipping. Requires System 6.07 or later. \$60. Psybron Systems, Inc., P.O. Box 431...

...support. Unable to automatically schedule repeating events and has unnecessarily complex routines for changing or deleting information. Version 1.01 reviewed. ...94404. 415-570-7700. (Jan '91) [MF# 1083]

Shift Worker

Shift Worker is a quick, accurate program for organizing complicated work-shift schedules. Uses expert-system logic well but has a ...

...support PostScript. Slow, and no PostScript upgrade is possible. Easy-to-install consumables. Comes with 13 TrueType fonts. Output quality is excellent with Adobe Type Manager or TrueType fonts. \$1,199...

...s slow and cumbersome to set up, but its 360-dpi output is excellent. Includes 13 TrueType fonts. \$399. Apple Computer, Inc., 20525 Mariani Ave., Cupertino, CA 95014. 800-776-2333...t match laser printers' output at the same resolution. Networkable via LocalTalk. Good manual. Includes 13 Agfa Compugraphic fonts. \$599. Hewlett-Packard Co., 5301 Santa Clara Blvd., Customer Information Center (MS...easily in a briefcase. Slow and lacks PostScript but comes with Adobe Type Manager and 13 Adobe fonts. Its 192-dpi image quality could be better. Limited printable area. \$549. Eastman...

...proofs. Superb print quality. Color range is limited, but gradients are excellent. Lacks Mac interface. \$13,995. Mitsubishi Electronics America, 5665 Plaza Dr., Cypress, CA 90630. 800-843-2515 or 714...tool carefully monitors the startup process and reports exactly what transpires. A handy tool for eliminating INIT (extension) conflicts. Version 1.0 reviewed. Version 1.1 shipping. Requires Mac Plus or...Portland, OR 97209. 800-262-7668 or 503-241-4351. (July '92) [MF#1201]

Correct Quotes

Correct Quotes is a user-modifiable database of famous quotes. Good interface. Quickly searches by topic or by author. Not very comprehensive, but can incorporate new quotes from celebrities such as

yourself. Version 1.0 reviewed. Requires Mac Plus or later, System...

...Provides basic information about AIDS. Intended for junior-high and high-school students. Well-designed, accurate, and informative, makes good use of the Mac/videodisc combination. Requires Mac Plus or later... ScanJet IIC

The ScanJet IIC is a fast, affordable, 400-dpi color flatbed scanner. Provides accurate color rendition and can interpolate to a resolution of 1,600 dpi. Standard resolution is...bit 300-dpi flatbed color scanner has a maximum image area of 8.5 x 13.5 inches. Mediocre scan quality, but bundled Photoshop 2.0 can adjust scans. Includes DA...

...maximum image area of 8.5 x 11.66 inches. Good color-scan quality, with accurate rendition. Comes with GPIB NuBus card and cable for Mac interface. Maximum software-interpolated resolution...Monte Carlo simulation. Risk-analysis functions and a series of new menus give you an accurate picture of how even the most uncertain estimates and projections are likely to affect your...hard-disk drive has a formatted capacity of 1,266 MB. Average seek time of 13 milliseconds. Based on a pair of Seagate Wren-Runner 2 mechanisms. Provides good performance with...when formatted with included Relax Installer is 197.3 MB. Two-year warranty. Version 1.13 reviewed. \$699 direct. Relax Technology, Inc., 3101 Whipple Rd., Ste. 22, Union City, CA 94587...data/fax switching, polling support, activity reports, good print times, and good regain-control times. Error correction is MNP Class 4, and data compression is MNP Class 5. Lacks features such as user-definable cover pages, a Preview mode, and scaling. Off-hook times are long, which can cause higher phone charges, but creating a fax...step backward. The manual is new and much improved. Version 11.02 reviewed. Version 11.13 shipping. Requires Mac Plus or later and a modem. \$139. FreeSoft Co., 105 McKinley Rd...

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17/K/125 (Item 10 from file: 275)  
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01465472    **Supplier Number: 11659264 (Use Format 7 Or 9 For FULL TEXT)**  
**Technical correspondence.**

Cronan, Timothy Paul; Douglas, David E.; Luster, Peggy L.; Peterson, W.  
Wesley; Ein-Dor, Phillip; Giladi, Ran; Tishler, Asher; Kang, Young Moo  
Communications of the ACM, v34, n12, p109(9)  
Dec, 1991  
ISSN: 0001-0782

**Language: ENGLISH    Record Type: FULLTEXT**  
**Word Count: 7722    Line Count: 00603**

...the record, and then closes the file. Another modification, CONSTANT-C is developed to more accurately represent constant network activity (input and output) on the network. This program opens a file...

...background programs were run, a single workstation took 20.7 seconds to complete the scenario-- 13.30 seconds to load WordPerfect from the server, 2.90 seconds to load a 50K...15] and Pezzulo [19] presented a number of very interesting and useful ideas for providing error detection with decimal



digits for use with numbers such as credit card numbers, that are often manually transcribed...

...on the idea presented by Pezzulo, who suggested choosing as self-checking numbers multiples of 13. Let us consider using multiples of a prime number in general. I will show how...

...digits to an existing number to get a multiple of a given prime. Encoding and error -detection algorithms can be implemented easily using ordinary arithmetic, and a method for doing this...

...are easy to analyze, and primes can be found that can be proved to detect errors well. Optimum choices for the prime number are included here. Codes of this type were...

...system with the idea of using them for detection and correction of transmission or hardware errors.

Simply using multiples of a prime number has one weakness. If the last digit is...alpha].sub.i.s] are the parameters of the Cobb-Douglas production function. This interpretation eliminates the possibility that EOS [is greater than or equal to] 1 when the objective of...

...previous studies have incorrectly adopted (1) instead of (3) for their calculation of economies of scale (EOS). Ein-Dor, Giladi and Tishler imply in their comments that if the data is...

...the "true" price and power, PRICE is endogenously and POWER is exogenously determined, and the error term, [epsilon], is independently and identically distributed), then the correct EOS can be estimated from... the problem was to add linear constraints to the model based on Judge et al. [13, pp. 466-467]. In the following paragraph, I analyze the seemingly very close relationship between...

...Optical Soc. of America 43 4, 1943.

[11] Harvey, A.C. The Economic Analysis of Time Series, MIT Press, Second Edition, 1990.

[12] Intriligator, M.D. Econometric Models, Techniques, and Applications, Prentice-Hall, Inc., NJ, 1978.

[13] Judge, G.G., Griffiths, W.E., and Lee, T.C. The Theory and Practice of...

...W.W. Norton & Co., New York, 1978.

[22] Wagner, N.R., and Putter, P.S., Error detecting decimal digits, Commun. ACM 32, 1 (1989), 106-110.

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17/K/126 (Item 11 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01442646 **Supplier Number: 11037339 (Use Format 7 Or 9 For FULL TEXT)**  
**We have mail. (letter to the editor)**

Jameson, David H.; Wells, Bruce; Penoyer, Robert H.; George, Joe W.;  
Leigh, Anthony W.; Branningan, Michael; Brungs, Mike; Mills, W. Paul  
C Users Journal, v9, n8, p124(6)

August , 1991

**Document Type:** letter to the editor

ISSN: 0898-9788

**Language:** ENGLISH    **Record Type:** FULLTEXT

**Word Count:** 6644    **Line Count:** 00491

...generally an excellent magazine, I think you have a responsibility to your readers to provide accurate information. Champlain's article (and your response to my letter) give the impression that all...introduce pi into any program, a way which assures the programmer that the assignment is accurate to the capability of the compiler/interpreter. Define pi using this statement:

pi = 4.0...

...in numerical applications. Even for those who take pride in remembering pi to its umpteenth decimal place, errors can slip in. The statement suggested here makes it simple for non-numerical programmers and DSP experts alike to avoid any error .

Sincerely,  
Robert H. Penoyer  
123 North New Avenue  
Apartment D  
Monterey Park, CA 91754  
YUP...

...int to be defined, it's safer and more portable.

Yours sincerely,  
Anthony W. Leigh  
13 Priory Walk  
Portbury  
Bristol  
BS20 9TJ  
England

Standard C requires that all macros except getc...

...compile under an older implementation of C - pip

Dear Editor,

I read the article "More Accurate Linear Interpolation" by J. Forkosh with some interest as I have been researching functional approximation...caveat to readers of the article: By setting the addition weight very low and the deletion weight very high, this implementation of Levenstein Distance is not symmetric! For example, l...

...becomes symmetric and truly a distance measure in the mathematical sense when the addition and deletion weights are the same.

The algorithm can be enhanced by providing a more complex function... revolution.' (As a grizzled revolutionary, I feel I am entitled to put that word in quotes .)

Despite those endless resources Mr. Ewton refers to, I find few college textbooks or treatises...

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17/K/127 (Item 12 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01321029    **Supplier Number:** 08550029 (Use Format 7 Or 9 For FULL TEXT )  
**Data Based Advisor COMDEX sneak preview. (COMDEX '89; includes related article on Microrim Inc.'s next-generation database management system)**

Data Based Advisor , v7 , n11 , p71(33)

Nov , 1989

ISSN: 0740-5200

**Language:** ENGLISH    **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 24226    **Line Count:** 02038

...there. And, remember, if you choose to weather the crowds in Las Vegas from Nov. 13 -17, visit your friends at Data Based Advisor--Bally's booth B940. After All, we...

...new version of the dBUtility Library and dBUtility Directory. The library contains over 850 public- domain and shareware utilities developed specifically for dBASE/compiler programmers. Utilities include a debugger, documenter, ASM...

...application generator, backup, barcode, clone, Clipper library code/data compression, color selection, communication, converter, duplicate eliminator , error handler, speedup, financial, opening more files, help, interface, LAN/multiuser, make, math, menu, mouse, overlay...damaged file.

\* Record and byte-stream editors--You can examine, edit, move, search, copy, and delete data in all fields--even memo fields. It includes a "paste" feature.

\* Hex editor--Edit...LetterMaster's File Browser. Users can create and modify dBASE file structures; edit, append, and delete dBASE records; edit, append, and the contents of any field; and much more.

LetterMaster ADVANCED...

...queries, relations, reports, statistics, and views.

You can update the databases via append, browse, edit, delete , pack, recall, replace, and duplicate search. Find records with locate, seek, soft seek, soundex, and...Bar graphs, 3-D bar graphs, high-low-close, pie charts, polar, polyline figure, polyvector, time series , and cartesian graphs.

Version 3.0 also includes mouse support and a font and icon...than restricting it to using SET PROCEDURE TO commands. Both of these features mean more accurate tree charts, particularly from Clipper applications.

Version 2.1 allows wild-card characters for flow...

...1231.

Fuzzy Searches for dBASE

PhDbase, from Korenthal Associates, allows dBASE applications to quickly and accurately search databases based on incomplete, mistyped, or misspelled queries. PhDbase uses Phuzzy Search technology, an...into the individual text files that make up the reference database. You can then add, delete , or modify the text. When you're finished, you recompile the text files into a...remote communications software package, XS, at the Software Publishers Association Symposium. XS is designed to eliminate the traditional problems of computer to computer communications. XS requires only 10K of memory if...editing marks, dates, and unwanted control characters that cause most file imports to fail.

AutoImport eliminates the need to rekey and reformat data before it's usable by your favorite PC...criteria. The two databases are brought up and displayed in windows. Users can then add, delete , update, and cut and paste records to the two databases simultaneously. Record-Trans 2.0...

...horizontal-bar and pull-down menus, 16 user-defined fields, pop-up tables for fast, accurate data entry, record searching abilities, group

and filter settings using a Query By Example (QBE...

...to an extensive library of products and utilities, including accounting products and source code.

TAS eliminates your fear of editing program code as it guides you through each step and generates...

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17/K/128 (Item 13 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01288598 **Supplier Number:** 07060494 (Use Format 7 Or 9 For FULL TEXT )

**Computerization, productivity, and quality of work-life. (social aspects of computing) (technical)**

Kraut, Robert; Dumais, Susan; Koch, Susan

Communications of the ACM , v32 , n2 , p220(19)

Feb , 1989

**Document Type:** technical

ISSN: 0001-0782

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 12454 **Line Count:** 01040

...work. According to this position, the most routinized work is most likely to be automated, eliminating jobs requiring low skill and eliminating the most boring and repetitive tasks within more skilled jobs. Poppel's analysis of the...

...more rewarding. In a more sophisticated and balanced analysis, Attewell has shown how computerization has eliminated some of the routine work of insurance examiners, such as calculating of deductibles or identifying...

...some problems with common methods for assessing the effects of technologies and present a lagged, time - series design that overcomes some of these problems. Using it, we present evidence that the computerized ...a service representative would explain charges to a customer and determine whether the charge was accurate . On a typical outgoing call, a service representative would determine why a customer had not...and attributing differences between them to the technology. For this research design to lead to accurate conclusions, the groups must have been similar to each other in all other ways prior...cross-sectional and pretest-posttest designs.

Figure 2 is a schematic representation of this lagged, time - series design. In each of the 10 offices, we administered an evaluation questionnaire one month prior...

...clerical work process and were not simply the result of transition per se.

The lagged, time - series design is neither the only nor the best method for studying the effects of technology, nor was our implementation of it without flaw. Time - series designs require advance knowledge of a technological implementation and consume research resources over an extended...

...that this design was useful in the present study and that it allowed us

to accurately distinguish the effects of the record system from the effects of preexisting group differences or...

...questionnaires we could match through their voluntary use of a code number. Seventy of the time - series respondents completed all three questionnaires, 88 completed both a Pre questionnaire and a Post1 questionnaire...

...of the Post1 and Post3 responses, if they completed both. The 169 respondents for the time - series analyses represent a response rate of 40 percent of the service representatives attending work on...initial state. Together these observations and analyses suggest that we were justified in performing a time - series analysis and in combining Post1 with Post3 measures. While we cannot tell what happened in...

...longer period would have been desirable.

We also tested the generality and validity of our time - series analyses with two additional cross-sectional analyses of the data. We examined whether the results we found among respondents who completed multiple questionnaires ( time - series respondents) apply also to those who completed only one questionnaire (drop-outs). A preliminary cross-sectional analysis revealed that the computerized record system had similar effects on time - series respondents and drop-outs. In an analysis of variance, of wave (Pre versus Post) by respondent type ( time - series versus drop-out) on the 17 dependent variables listed in Table I, only one interaction...

...The similarity of technological impact on the two types of respondents is true even though time - series respondents were more positive on most dependent variables before the introduction of the record system. For example, while the time - series respondents were more satisfied with their jobs, reported better mental health, and worked in offices...

...Measures of Productivity and Quality of Working Life

The questionnaire included two types of measures: time - series and retrospective. The time - series measures asked respondents to describe their job experiences and beliefs at the time of questionnaire...

...had changed since the record system had been introduced. We rely on data from the time - series measures because respondents often have difficulty answering retrospective questions accurately ; they tend to assimilate their previous attitudes to their current states and base their answers...

...results from the retrospective measures because they amplify the data obtained from the more trustworthy time - series measures.

We examined the impact of the computerized record system on three broad areas: productivity...reports of experience with computers and computer-like devices.

Examples of the items from these scales are listed in Table I, along with the number of items included in each scale , their internal reliability and their four-month test-retest reliability. Because we used only a...

...some of the reliabilities reported in Table I are substantially lower than those reported in [3]. These low reliabilities increase measurement error and, thus, increase the difficulty of identifying effects of technology, if they really exist (i.e., they increase Type I error ).

In addition to these quantitative measures, we conducted 60 open-ended interviews of service representatives...

...the technology while using it.

THE IMPACT OF THE RECORD SYSTEM

Conceptually, given the lagged time - series design, the data needed to test whether the automated record system had any impact on...1 indicates "substantial deterioration" and 5 "substantial improvement,"  $t(398) = 15.7$ ,  $p < 0.001$ , rejecting the hypothesis of no change). They also reported that the overall functioning of their office...

...about extending credit (all  $t > 8.5$ , all  $p < 0.001$ ). In addition, according to time - series measures assessing the ease of performing specific work related tasks, the record system had modest...

...was highly statistically significant ( $[\beta] = 0.43$ ,  $t(145) = 6.12$ ,  $p < 0.001$ ).

Some deleterious effects of the record system on service representatives' productivity were revealed in other ways as...reported themselves as happier and having fewer symptoms of depression and anxiety (Table II, row 13 ). This was especially surprising, because mental health was moderately associated with job satisfaction (for the...political demands, and chance circumstances.

Figure 6 illustrates a more complex and we believe more accurate model for technological impact, as we found it in this case study, than does the...

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17/K/129 (Item 14 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01251121 **Supplier Number: 06801577 (Use Format 7 Or 9 For FULL TEXT )**  
**Forecaster offers users automatic or programmable operation. (4Cast-2X**  
**version 3.11 forecasting package from Levenbach Associates) (Software**  
**Review) (evaluation)**

Bryan, Marvin  
PC Week , v5 , n26 , p66(2)  
June 28 , 1988  
**Document Type:** evaluation  
ISSN: 0740-1604  
**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT  
**Word Count:** 1412 **Line Count:** 00115

**Abstract:** ...well as excellent graphics features such as the ability to plot up to 12 individual time series simultaneously. 4Cast-2X incorporates an implementation of the Bureau of Census X-11 Seasonal Adjustment...

**Abstract:**

...as well as excellent graphics features, including the ability to plot up to 12 individual time series simultaneously.

Developed by the Canadian firm Heurix Computer Research, the software is marketed in the...

...very effective method of deseasonalizing data. The method is based on the assumption that a time series consists of the following components:

seasonal, trend cycle, trading day and irregular.

Accurate forecasts must take into consideration both seasonal fluctuations in data and business trend cycles that...

...seasonal factors by using standard deviations computed over moving five-year periods. The outliers are discarded if they fall beyond a range of limits, and weights are applied linearly to those...

...analyzing current values.

The Henderson curve is also produced, a weighted moving average of 9-, 13 - or 26-term durations that's useful for time series with strong cyclical patterns.

Comparing the Henderson curve with the MCD is a good way of checking the accuracy of estimates for current months.

Other X-11 output includes the seasonal irregular ratios, replacement

...

...order; moving sums, sums of squares, standard deviation, variance; and frequency analysis.

For smoothing of time series, statistics include: moving average and moving median; single and adaptive exponential smoothing; linear, exponential and...

...Februarys, and so on).

Holt-Winters involves the smoothing of three components of a historical time series; horizontal pattern with smoothing coefficient Alpha, linear trend with smoothing coefficient Gamma, and seasonal pattern

...

...factors (through a ratio-to-moving-average analysis), calculation of forecast errors (residuals), presentation of accuracy measures for evaluation purposes, and automatic weighting of competing forecasting models so that forecasts can be combined for greater accuracy.

When forecasts are plotted, a split screen can display multiple time series with different scales, such as actuals or forecasts and errors on the same ...Video Graphics Array and an 80387 math chip. In both instances, it functioned smoothly and accurately; all algorithms produced the appropriate results.

The list price of 4Cast/2X is \$895. Without...

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17/K/130 (Item 15 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01213302 **Supplier Number: 04832613 (Use Format 7 Or 9 For FULL TEXT )**  
**The modern modem: bridge to the on-line world.**

Rosch, Winn L.

PC Magazine, v6, n9, p100(11)

May 12, 1987

ISSN: 0888-8507

**Language: ENGLISH Record Type: FULLTEXT; ABSTRACT**

**Word Count: 50871 Line Count: 03856**

...signals. Because electronic circuits can be tuned to accept the frequency

of one carrier wave and reject others, multiple modulated signals can be sent through a single communications medium. This principle underlies...

...upper and lower modulation products are essentially redundant, so one or the other can be eliminated without loss of information. However, the fundamental fact remains that any modulated signal requires a...modems).

The nicest thing about the Bytcom is its optional support for Microcom's public-domain MNP (Microcom network protocol) class 4. This protocol, like Xmodem and other software based protocols...

...a number that describes the data in the block, and retransmits those blocks that contain errors.

MNP has several advantages over Xmodem, however. In classes 4 and above, the data is...quality of a phone connection and flicks off when a line is too poor for accurate data transmission; CO indicates carrier on; TM lights when the Acculine 224 is in testing...models, but modems take enough abuse to warrant the protection. The externals have a hefty 13.5-volt power supply with a three-prong plug and thick power cord, a sturdy...

...the full eight indicator lights; Hayes OH (off hook) and AA (auto-answer) are often eliminated from clone designs. The no-slouch 2-inch speakers are clearly audible and fully responsive...keeps you close to your wall jack. The modem supports the RJ-11, -12, and -13 jacks, but, unlike Hayes modems, does not support RJ-41 and RJ-45. There are...three of the modems had minor bugs.

Our engineering contact at Novation always had a plausible reason for the problems we encountered, ranging from "We decided not to implement that feature...house phone line, and we had all sorts of problems. The speed was great; the accuracy was not. File transfers were lost or garbled 50 percent of the time, and line...

...or connect with your choice. The function keys bring up further screens for adding or deleting phone records in addition to sorting the list by ID number, description, or phone number...This PC's Limited modem can be set to IRQ2 or IRQ5 as well, to eliminate such conflicts. Of course, you can use these settings only if your communications package also...radio applications, data echoing, the special off-hook command H2, and S registers 9, 11, 13, 14, and 15. Other commands are treated differently, and Prentice adds a few commands of...The proprietary commands are for such functions as storing numbers in memory or enabling the error-correction mode. Executing the AT+Tl command will display a list of all of the...

...current settings. Similarly, typing "AT+T" will show all 28 registers, their purpose, and the decimal values they contain.

The documentation supplied with the review unit was marked "preliminary," but it...

...PC market, this unit comes from company's industrial product line.

The mammoth 8- by 13 -inch enclosure will not only fit under just about any telephone but perhaps a few...modem over to pulse signals on lines that don't allow Touch-tone dialing. A quote mode enables users to dial an alphabetic number by placing the letters between quotation marks...functions--handy for those without time to search for the manual. Ven-Tel could have eliminated the extra board space and packaged the unit in a smaller enclosure. Sized as it...



17/K/131 (Item 16 from file: 275)  
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01204483    **Supplier Number: 04791863 (Use Format 7 Or 9 For FULL TEXT )**  
**Calibrators move to automation to cope with new demands. (includes related article on National Bureau of Standards)**

Tunick, Diane  
Electronic Design , v35 , p49(6)  
March , 1987  
ISSN: 0013-4872  
**Language: ENGLISH    Record Type: FULLTEXT**  
**Word Count: 3447    Line Count: 00283**

The gap is narrowing between the accuracies of measuring or voltage-generating instruments and their calibrators. That slimmer difference is making calibration-- the comparison and verification of a measurement system's accuracy -- the concern of both design engineer and metrologist.

To be sure, high accuracy and precision are essential to calibration, but they are no longer the sole calling cards...  
...error margin was 10:1--that is, a calibrator had to be 10 times more accurate than the instrument it was calibrating. But with the accuracy of instruments continually rising, the error margin has shrunk dramatically, as low as 4:1...

...characteristics. In fact, some 8 1/2-digit multimeters come so close to the allowable accuracy of today's high-end calibrators that no organization but the NBS can calibrate them...

...into sleek computer-controlled setups.

In these computerized environments, single-function calibrators bring the best accuracy, but multifunction calibrators are chipping away at their lead. The convenience of those multifaceted instruments...

...equipment but a growing number from multifunction units. In fact, multifunction calibrators are becoming as accurate as the manual calibration stations of several years ago.

Among the multifunction leaders is Datron...

...high end of the line is the 4707, one of the few calibrators with enough accuracy to take on 8 1/2-digit multimeters. For the 10-V dc range, its absolute accuracy over 90 days at 23°C comes in at 4.5 ppm. That accuracy figure encompasses both accuracy relative to calibration standards, specified at (2 ppm of output 0.25 ppm full scale), and calibration uncertainty, specified at 2 ppm. In Datron's terminology, relative accuracy includes the effects of stability, temperature coefficients, noise, and linearity under worst-case line and...

...voltage ranges of 1 mV to 200 V at 10 Hz to 1 MHz, with accuracies of better than 130 ppm over 90 days. Like other models in the family, the...

...LEDs and digital displays characterize many calibrators, Rotek Instrument complements old-fashioned comfort with high accuracy and multilevel software. Its PAMC 50A automatic system revolves around the 3980 multimeter calibrator or calibrates dc and ac voltage, dc and ac current, and resistance. Best-case dc accuracy comes in at 50 ppm over six months and ac accuracy at 0.05%. Ac frequency spans 40 Hz to 50 kHz. For greater

accuracy , the PAMC system can be fitted with the 710 calibrator, which upgrades dc voltage accuracy to 22 ppm, ac voltage accuracy to 0.025%, and ac frequencies to 100 kHz.

Rotek's calibration software comprises three...

...the calibrator's outputs, a synergism that enables the system to generate dc voltage to 13 ppm and ac voltage to 190 ppm. An ac divider, also standard, reduces ac voltages...

...and takes on all the tedious tasks of recording calibration history. Moreover, error-checking facilities reject procedural data that is incompatible with the system being controlled.

With strength in dc metrology...

...and wattmeters.

#### STAYING CURRENT

The system also benefits from the 2701B precision dc voltage calibrator. Accurate to 10 ppm, it generates bipolar outputs in 1-ppm increments from 1 V to...

...hours. For higher precision, the 2720GS dc standard can be substituted, with measurement and stimulus accuracies of 1.6 ppm.

Supporting the hardware is Valhalla's automation software, assembled from program...

...A. Current can be calibrated with resolution of 1 ppm and with an extremely high accuracy of 0.005%.

#### BROAD REACH

Complementing the 7104C's current-handling capabilities is the Model ...and 100 V), resolved to 1 ppm, round out the instrument's capabilities. The company quotes accuracies based on worst-case specifications. For the 520A, dc accuracy is (0.005% of setting 1 A) in the current mode and (0.002% of...

#### ...ADVANTAGE

Ac measurements represent the thorniest problem in calibration. In multifunction and dedicated calibrators, ac accuracy averages 10 times worse than dc accuracy. Random uncertainties at the NBS hover at 20 to 30 ppm for ac, which calibration...

...is fast becoming a staple in the calibration lab and in mobile carts. It is accurate to 50 ppm and works with voltage ranges of 100 mV to 1000 V over...

...the 488 bus. The most sophisticated level encompasses calibration of the 7120. Keying in uncertainties quoted in the national traceability certificate, an operator can store the errors so that the instrument...

...an internal transfer standard for Fluke's 8506A digital multimeter, giving it a midband ac accuracy of 120 ppm. The next year should see the chip placed in several new pieces...

...calibrated 10 V, directly traceable to the NBS. As a result, their output needs no scaling --a major source of errors --to reach a useful voltage. Moreover, since they are based on semiconductors rather than liquid...its Autocal Series 4700 multifunction systems with the SPEC button, which records the calibrator's accuracy specifications and then computes whether settings and instrument readings fall within tolerance levels.

Photo: 2...

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17/K/132 (Item 17 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01176602    **Supplier Number:** 04366882 (Use Format 7 Or 9 For FULL TEXT )  
**Programmable relational databases. (Software Review) (evaluation)**

Dickinson, John  
PC Magazine , v5 , n12 , p114(42)  
June 24 , 1986

**Document Type:** evaluation

ISSN: 0888-8507

**Language:** ENGLISH    **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 29395    **Line Count:** 02261

...the new index parameters. You must make any changes to field values and addition or deletion of fields in this manner. Each new file must be given a name different from delete these duplicated files. Instead, you must delete files under DOS using the ERASE command.

PREPARING REPORTS Datastore: pro's Extended Report Writer...dBase code that you can modify. You can define up to 16 linked screens, which eliminates the need to cram many fields on one screen.

Ashton-Tate has obviously lavished great...few minutes. You can set up for Beep on errors and one-touch menu control ( eliminating the need to hit Return after picking a menu item) as well as default drive...primarily to handle data where the elements can be arranged in a matrix, such as time series or ranges of items. You may have a manufacturing problem, for example, where you need...

...easier to perform than does Mainstay.

If you have applications that require extensive analysis of time - series data or have similar matrix-oriented problems and don't object to a copy-protected...add and then saving the end product to a new file name. Conversely, you can delete file fields the same way.

NONPROCEDURAL LANGUAGE NPL/R contains a full-screen general-purpose  
...

...of a record and add another character so that the record can be flagged for deletion . I constructed a process-of- elimination chart and matched data formats with methods of editing the NPL/R master file until I had edited out the NPL/R's delete character line.

The NPL/R primer, the first of the two manuals, gives a solid...The intersections of rows and columns defined fields. "Simple' SQL commands build, alter, expand, and delete tables, rows, and indexes. You can add columns to a table, up to a maximum of 254, but you cannot delete them. However, by setting a column to a null value, you can reduce its effective ...great deal of freedom while providing the tools to get the job done quickly and accurately . --David Hoffman

PC/FOCUS

PC/Focus from Information Builders Inc. is one of the most...many. Segments are linked on a parent-child basis, and data duplication between segments is eliminated . When one or more other databases are linked together with the Join command, the new...

...isn't the only problem PractiBase has brewing on the disk. After records marked for deletion were deleted with the Pack command, files containing such records failed to compress, needlessly tying up valuable... not be accessible from within PractiBase) and dBASE programming skill. The documentation provides only a 13 -page pamphlet with a dictionary-style listing for each programming command. It contains no programs...

...the record pointer, it occasionally double-printed records or printed records that had recently been deleted .

What you can do is move through the file one record at a time (forward...

...compound condition--but only on fields you defined as searchable when you created the file. Deletes are available but restricted in scope to the current record. No sorting is possible, so you never have the option of eliminating the delays associated with keeping indexes open by sorting the file all at once.

DATA...

...by a factor of 10 (100 became 1,000). The solution involved my entering a decimal point as an explicit terminator to each entry, an obvious invitation to inaccurate data entry...

...program, are minimal. You can do little more than use the Space bar to overwrite errors .

The report generator develops applications using three files (that's one less file than the...In a Revelation database, any field may contain multiple occurrences of a data element. This eliminates the need for "trailer records' or multiple defined fields that take up space even when ...options. The SQL Editor option lets you Create a file and Select, Modify, Insert, and Delete records. Picking Data Entry from the main menu brings up a standard entry screen. The...and handling many-to-many relations.

Zim's documentation is to the point-- brisk, but accurate and readable. Although some theoretical concepts are covered, the documentation pretty much assumes that the...

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17/K/133 (Item 1 from file: 647)  
DIALOG(R)File 647: UBM Computer Fulltext  
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01098787 CMP Accession Number: HPC19960801S0055

**Tapping Quicken's Riches-15 Tips Covering Income, Investing and Financial Planning-There's buried treasure in this personal-finance program. Follow our map to uncover the software's hidden charms.**

Timothy Middleton  
HOME PC , 1996 , n 308 , PG85  
**Publication Date:** 960801  
**Journal Code:** HPC **Language:** English  
**Record Type:** Fulltext  
**Section Heading:** Features  
**Word Count:** 3294

**Text:**

...account in Quicken to keep an eye on your finance charges and get a more accurate picture of your net worth. Choose Create New Account, select Liability and enter the name...

...down Control, click on the transactions you don't want to keep and then hit Delete .

4. Mortgage? Get the balance right.

With mortgages and other amortized loans, the amount of...

...disable the feature: Select Scheduled Transaction from the Lists menu, highlight the payment and hit Delete . (On the Mac, if you checked Schedule Payment on the Calendar box when you set...

...won't have a problem. If you're using Transaction Groups to enter payments automatically, delete your loan from Transaction Groups under the View menu.)

5. Fix adjustable-rate loan errors...your payments will change, too, usually once a year. For Quicken to track your loan accurately in your Mortgage Account, you must account for these adjustments.

Select Loans from the Activities...

...Price Update from the Online menu. The software dials a toll-free number and retrieves quotes for the stocks you own. After three free updates, you'll be asked if you...

...95 for six updates a month)

If you subscribe to CompuServe, you can use Quicken Quotes at no charge beyond your regular fees for on-line time. From the Quicken Forum ...

...from Quicken's Edit menu, click on Phone Access, then select Use CompuServe under Quicken Quotes . Enter your CompuServe access number, ID and password, then click on OK. Select Quicken Quotes from the Online menu. Prices will be updated automatically.)

Prodigy subscribers can also get quotes at no extra charge. Create a file in your Prodigy directory called qtrack00.csv (the file extension refers to Quicken's default protocol). Sign on to Prodigy and jump to Quote Track. Follow the on-screen instructions to enter the symbols of your securities; they'll...

...csv), hit Enter and your prices are updated.

(On the Mac, set up Prodigy's Quote Track window this way-Range: Entire List; Report Type: Closing Prices; Destination: qtrack00.csv. In ...

...Menu, locate the Prodigy file and click on Open.)

America Online members can retrieve free quotes after downloading a utility for Windows or the Mac that translates the quotes to Quicken format. Go to the Personal Finance Software Center (Keyword: PFSoftware), select Investment Programs...

...recently valued at \$2.03091246 per share. Unfortunately, Quicken can handle only up to four decimal places. If I were to enter the actual transaction from my wife's statement, I'd get a rounding error . You may also see an error when you enter a share price such as 75/ ...cost basis-necessary for calculating your capital gains when you sell the shares-will be accurate . For example, if you buy 200 shares of The Next Microsoft Inc. at 75/32...

...trade stocks or mutual funds, you probably know that Quicken won't let you easily delete securities you've sold-doing so would wipe out all

your records, which you might...

...amount in each asset class. (Version 6 for the Mac omits the asset-allocation graph.)

13 . Calculate a stock's rate of return.

All stockholders naturally want to track the performance...

---

## ? ds

Set	Items	Description
S1	3893321	DECIMAL OR DOMAIN OR SCAL?
S2	1270420	ERROR? ? OR OUTLIER? ? OR INVALID?
S3	848187	TICK? ? OR QUOTE? ? OR (TIME (W) SERIES)
S4	5733539	FILTER? OR CLEAN? OR CORRECT? OR PURIF? OR SCREEN?
S5	6225496	TEST?
S6	446447	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCURI?
S7	2644361	CREDIBIL? OR PLAUS? OR PROBABLE OR ACCUR?
S8	3047777	REJECT? OR DELET? OR DISCARD? OR ELIMINAT?
S9	48610	S1 (S) S2
S10	2090	S9 AND S3
S11	638326	FINANCIAL (W) DATA
S12	10818197	S4 OR S5
S13	650	S11 (5N) S12
S14	466	13 AND S10 AND S7
S15	340	S14 AND S8
S16	334	RD (unique items)
S17	133	S16 NOT PD>=20000501

---

## ? s decimal and domain and scal?

### Processing

	15415	DECIMAL
	798541	DOMAIN
	3165381	SCAL?
S18	238	DECIMAL AND DOMAIN AND SCAL?

---

## ? s 17 and s18

	4549648	17
	238	S18
S19	79	17 AND S18

---

## ? rd

>>>Duplicate detection is not supported for File 626.

>>>Records from unsupported files will be retained in the RD set.

S20	76	RD (unique items)
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? t s20/medium,k/all

20/K/1 (Item 1 from file: 9)  
 DIALOG(R)File 9: Business & Industry(R)  
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03237340 Supplier Number: 112408611 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Employing the (Q.sub.TBM) prognosis model.**  
**( tunnel boring machines )**

Tunnels & Tunneling International , v 35 , n 12 , p 20  
 December 2003  
**Document Type:** Journal **ISSN:** 0041-414X ( United Kingdom )  
**Language:** English **Record Type:** Fulltext  
**Word Count:** 2511 (USE FORMAT 7 OR 9 FOR FULLTEXT)

### TEXT:

...rates (AR) over calculated periods of time, as each zone (or geological/structural/rock mechanics domain ) of given length are penetrated, and supported as necessary.

...the basic model with PR and AB on left and right axes, and the 'logarithmic' scale of QTBM defined along the bottom axis. Figure 2 shows log PR and log AR...

...10 100 1000  
 (-) (m.sub.1) 0.9 0.7 0.5 0.2 0. 17 0.18 0.20

Grandori et al. 1995 (4), in a classic comparison of two...

...sub.1)	RQD/ (J.sub.n)	(J.sub.r)/(J.sub.a)	
1 Sandstones	-0. 17	100/9	2/1
2 Phyllites	-0.19	35/9	1.5/1
3 Mica...			

...n/2) .sup.0.05)	Zone	(m.sub.1)	D	n (%)	m
1 Sandstones	-0. 17	0	15	-0.28	
2 Phyllites	0.19	10.70	5	-0.23	
3 Mica...					

...sub.TBM)	PR (m/hr)	AR (m/hr)	
1 Sandstones	20.07	2.74	0. 17
2 Phyllites	0.60	5.54	0.76
3 Mica schists	0.73	5.32...	

...4000	-0.24	1.32	6,307	4000
4 Granites	4000	-0.24	1.32	17 ,656 4000
	Assume max.			
Zone	8736 hrs/yr			

1 Sandstones 2.66 yrs  
 2 Phyllites...  
 ...hrs) =(6.00 yrs)  
 \* rough check of AR x T=L(errors will occur if decimal places are rounded)  
 h) Overall performance  
 PR,AR (weighted mean), (SIGMA)L  
 (bar) PR=(P...  
 ...5,256 m/hr m/hr  
 3 Mica schists 4000 6,307  
 4 Granites 4000 17,656  
 (SIGMA)L=16.000 (km)  
 (SIGMA)T=52,243 hours = 72.8 months  
 Above...

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20/K/2 (Item 2 from file: 9)  
 DIALOG(R)File 9: Business & Industry(R)  
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02680767 Supplier Number: 25133260 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Niche work if you can get it**

Television Europe , v 5 , n 2 , p 10  
 February 01, 2002  
**Document Type:** Journal; Industry Overview ( United States )  
**Language:** English **Record Type:** Fulltext  
**Word Count:** 1737 (USE FORMAT 7 OR 9 FOR FULLTEXT)

# TEXT:

...music video channels in the last 18 months. Nor is the multichannel market the exclusive domain of big media companies: Einstein TV and Channel Health have both raised equity on the...

...number of factors , the sheer quantity of channels, and the fragmentation of audiences into mere decimal points of viewing share , have dramatically decreased the flow of both.

Any channel launching on...

...profitable."

Channels adopting this format, however, have to make a choice between being a full- scale shopping channel or being a general entertainment service which devotes part of its airtime to...

...ability to supply products is very important, and unless a channel is planning a full- scale move into teleshopping it should contract out fulfilment to a specialist company. "Fulfilment is the...

...lot of that type of activity."



Sky Digital channel line-up  
General entertainment 38  
Films 17  
Sport 13  
Music 16  
News and documentaries 27  
Kids 14  
Shopping 20  
Various (religious, non...

---

**Dialog eLink:**

USPTO Full Text Retrieval Options

20/K/3 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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06551009 1899519671

**Q3 2009 Monster Worldwide Earnings Release and Investment Community Meeting - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Oct 29, 2009

**Journal Code:** FDCW

**Word Count:** 33510

**Text:**

...on a quarterly basis while organic headcount has been reduced by 1,000 heads, or 17 %.

And all of this has been accomplished -- this \$60 million of organic expense control has...And based on all of that triangulation, I wouldn't hold it to the last decimal point here, but we're comfortable that we are in fact gaining share, particularly in...

...have the broadest product offering. We have engaged in relevant traffic. We have the global scale and reach. We have the focused and targeted sales group and, importantly during this period...those candidates to come by the millions and then convert and show interest. They want scale. They want consistency. They want it globally. And they want match, because reach, the big...

...is to extend the reach, so that we get the best candidates, allows conversion, at scale, building the best career destination in the world. And the most productive recruitment tools in...the reach, bring a lot of seekers to our employer. Make sure that this can scale. And help them match so that we are providing to them the candidate that they...

...now.

So we see that as huge potential to grow. We think this product can scale tremendously and drive some serious audience to Monster.

As my chart indicated, and as you...

...mentioned today by Sal and others. Monster-friendly communities, what are they? Well, there's 17 and counting vertical communities where members can network with like-minded professionals and get inspiration...

...re marketing to all of the Monster members to try to drive membership.

With these 17 communities, we already reached 80% of the profiles of all of our existing seekers with...

...and up and up, and we think that's going to allow us to drive scale tremendously.

Let's take a look at 1 of the 17 communities to help you understand a little bit more. PoliceLink targets the world of law...into the search engine, the quality of search results will be dramatically improved.

And the domain of knowledge in recruiting and staffing, resumes and jobs, is well understood. There are skills...

...and some machine learning algorithms, and we have tried to apply that technology to this domain. And it didn't work. It did not apply -- it did not extract concepts with...

...best jobs for you.

And so with that, we said well we can't really scale this out, we're a start-up, and it would take us a long time...

...adding additional functionality to the product, and finally we spent a significant amount of time scaling this product.

And for those of you who know a little bit about semantic search, one of the most difficult things about semantic search is scaling it so you can return the results on a database of our size fairly quickly...re in the social world, we drive back to what? A job posting which is scalable, which is known. A piece of artifact that everybody uses every day, along with the...

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**USPTO Full Text Retrieval Options**

20/K/4 (Item 2 from file: 15)

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06471587 1837038321

**The Efficient Storage of Text Documents in Digital Libraries**

Skibinski, Przemyslaw; Swacha, Jakub

Information Technology & Libraries v28n3 pp: 143-153

Sep 2009

ISSN: 0730-9295 Journal Code: JLA

Word Count: 5404

Text:

...algorithm,16 but an external tool - Precomp - is used to decode natively compressed PDF documents. 17

The second stage is for constructing the dictionary of the most frequent words in the...

...8-bit text encoding and also UTF-8)

\* URL address prefixes of the form "http:// domain /," where domain is any combination of letters, digits, dots, and dashes

\* e-mails - patterns of the form "login@ domain ," where login and domain are any combination of letters, digits, dots, and dashes

\* runs of spaces

Stage 3 begins...

...indexes (denoting more frequent words) being assigned shorter code words.

The numbers are sequences of decimal digits, which are encoded with a dense binary code, and, similarly to letters, placed in a separate location in the output file.

The special tokens can be decimal fractions, IP numerical addresses, dates, times, and numerical ranges. As they have a strict format...

...words beginning with "/" and "/" or ending with "(", and its number tokens can contain not only decimal but also hexadecimal digits (though a single number must have at least one decimal digit). The hexadecimal number must be at least 6 digits long, and is encoded with...

...the results obtained for TXT documents (table 3), we can see an average improvement of 17 percent for CTDL and 27 percent for CTDL+ compared to the baseline Deflate implementation. Compared...

...25 percent using CTDL+; the numbers for LZMA are respectively 9 percent for CTDL and 17 percent for CTDL+. In a cross-method comparison, CTDL+ with LZMA beats gzip by 34...

...manages to improve compression efficiency of the general-purpose algorithms it is based on. The scale of improvement varies between document types, but for most of them it is more than...

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20/K/5 (Item 3 from file: 15)

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05095315 728221041

**Q2 2004/2005 Wipro Limited Earnings Conference Call (Evening) - Final**

Anonymous

Fair Disclosure Wire pp: n/a  
Oct 15, 2004

**Journal Code:** FDCW

**Word Count:** 10685

**Text:**

...the Indian IT service companies This will also bring newer challenges in terms of managing scale and increasing competition from customers as well as for talent. You may rest assured that...quarter?

UNIDENTIFIED COMPANY REPRESENTATIVE: You know, the offshore compensation constitutes in Wipro Technologies about 16- 17 % of our revenue. So, what we are seeing is this impact of 15-18% would be off that 18% or off that 17 %. And that will kick-in from this quarter because we had given a part of...the right number?

SURESH SENAPATY: 9% was in dollar terms and the 13% is actually decimal of 12 point in rupee term.

AASHISH GHANDHI: Got it. Okay. Thank you, great quarter...

...our business grow, being able to retain our quality systems and our culture as we scale and add so many people and ...that I think the recruiting teams have built a great engine here that continues to scale up as we need it. The second is in terms of, you know, whether this...terms of what skills are they asking us to build us on in terms of domain skills or technology skills and what are you hearing from your major customers?

GIRISH PARANJPE...

...of usual expectation from our customers is that we have a combination of technology and domain knowledge. And as we do more work on new application development, I think the requirement of having higher domain knowledge goes up. On the other hand, where we have more application management [handle to work], it is more technology-centric and the requirement of having domain -specific knowledge is somewhat lesser. So, again I don't think there is a big...

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**USPTO Full Text Retrieval Options**

20/K/6 (Item 4 from file: 15)

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04760008 1607430271

**Roche Holding AG at ASCO - Conference Call (Part 1) - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Jun 2, 2008

**Journal Code:** FDCW

**Word Count:** 12562

**Text:**

...some of the authors that they have crosschecked absolutely the P values and the second decimal place. But it absolutely will be up and running there.

What I would like to...

...presented today. It is just to give you an idea of the order and the scale and the magnitude of which the programs are running.

If we take just a step...and the response rate. Now on AVADO, just a few hours old in the public domain, we significantly increased progression-free survival and where that 64% increase comes from it is... 26% said to have worse outcomes with the small molecules as the lower. And with 17 % with the higher arm.

Grade 3/4 events were in general more frequent with this...

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**Dialog eLink:**

USP10 Full Text Retrieval Options

20/K/7 (Item 5 from file: 15)

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04577276 1598679421

**Q3 2007 TALEO CORP Earnings Conference Call - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Nov 1, 2007

**Journal Code:** FDCW

**Word Count:** 9746

**Text:**

...and services margin to decline a bit in the fourth quarter.

In Q3 we closed 17 new enterprise deals, including one HRO deal, 17 new deals compared to the 21 closed last quarter, and 15 in the third quarter...way forward has been, firstly, our On Demand platform, which is both highly configurable and scalable. Our innovative products, which are the gold standard in our industry, uniquely tailored for enterprise...

...required the ability to integrate with legacy data and transactional ERP systems. It required a scalable platform that currently supports over 1 million users. In fact, in Q3, our platform processed...

...added over 200,000 new users and maintained over 99.95 uptime. That's unparalleled scalability at an enterprise level. These are hard problems to solve, and Taleo did the pioneering...

...quarter contributed to [the] third largest quarter to date. Our services team has the best domain expertise in deploying enterprise talent management and solutions.

Taleo's industry leading recruiting product for...

...deployment has fueled Taleo's strong growth in both revenue and profits. Overall, Taleo added 17 new enterprise customers worldwide in Q3. But that highly scalable and robust enterprise solution is not an ideal fit for the small and medium-sized...to an already overloaded inbox.

Finally, Taleo Performance is built on the most robust and scalable on-demand platform in the industry, the same platform that has already supporting the largest...

...the knowledge and experience that we have learned from recruiting, combined with fresh ideas from domain experts in a sizable development investment. We are now poised to harvest the fruits of...we're not talking about guidance yet, but industry growth rate has been about 16%- 17 %, is what people say. This year you've been clearly growing almost twice that. With...really happy with the management team. I do believe that our management team has the scale , the breadth, and the bandwidth that they could handle larger transactions.

But I do think that having the discipline to look at a transaction with more than five decimal points of precision -- because I think that's what you have to do when you...It's pretty much similar to what it has been in previous quarters. Of all 17 deals that we won on the Enterprise, every deal was competitive. Multiple competitors on most...

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**USPTO Full Text Retrieval Options**

20/K/8 (Item 6 from file: 15)

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04558799 1374872431

### **Event Brief of Q3 2007 Business Objects Earnings Conference Call - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Oct 24, 2007

**Journal Code:** FDCW

**Word Count:** 7702

**Text:**

...qtr. 3. One-time Decision Warehouse settlement. 2. Non-GAAP operating margin was 15% vs. 17 % in 3Q06. 1. Decrease was partially due to: 1. The license shortfall, although offset somewhat...

...is up approx. 140 BP vs. the same period last year, as Co. continues to scale and drive operating efficiencies. 6. Balance Sheet: 1. Generated \$213m in cash flow from operations...the U.S. dollar. But again, being naturally hedged, it was offset to a slight decimal percent effect at the operating profit line.

MICHAEL BRIEST: Okay, thank you very much.

OPERATOR...

...rumors and the various distractions floating around the M&A activity, both in our own domain as we worked through the Cartesis and Inxight integration as well as publicly with respect...

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**USPTO Full Text Retrieval Options**

20/K/9 (Item 7 from file: 15)

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04558794 1374872381

**Q3 2007 Business Objects Earnings Conference Call - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Oct 24, 2007

**Journal Code:** FDCW

**Word Count:** 8643

**Text:**

...On a non-GAAP basis, our operating margin was 15% in the third quarter, versus 17 % in the year-ago quarter. This decrease was partially due to the license shortfall, although...

...approximately 140 basis points compared to the same period last year, as we continue to scale and drive operating efficiencies. Looking ahead, continued margin expansion remains one of our top priorities...of our employees and partners validated and soon to be extended by the portfolio, the domain expertise, and the presence of SAP.

Thank you for joining us this quarter. I will...the U.S. dollar. But again, being naturally hedged, it was offset to a slight decimal percent effect at the operating profit line.

MICHAEL BRIEST: Okay, thank you very much.

OPERATOR...

...rumors and the various distractions floating around the M&A activity, both in our own domain as we worked through the Cartesis and Inxight integration as well as publicly with respect...

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20/K/10 (Item 8 from file: 15)

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04422499 1279959471

**Affymetrix at Citigroup Healthcare Conference - Final**

Anonymous

Fair Disclosure Wire pp: n/a

May 24, 2007

**Journal Code:** FDCW

**Word Count:** 5531

**Text:**

...down this technology curve behind the semiconductor companies. We're manufacturing today at about two decimal points higher than the semiconductor companies so it is a much kind of a lower...

...AMD. So relatively low capital intensity and again it has the benefits of being highly scalable which you've seen the evidence of that for decades in semiconductor manufacturing.

We manufacture...

...microns. Those are at 800 nanometer features on there. What's important is again the scalability of this technology. So for us to move from 10 micron feature sizes down to...actually getting 1000s of SNPS for \$1.00. So this is pretty impressive in the scale at which the cost per SNPS has come down and we think there is still good scalability there. Certainly the ease of access to the biological sample. So in gene expression you...

...in 2003 we launched our first products by looking at genotyping on a whole genome scale. There was 10,000 SNPS on a single array. It was unprecedented. Nothing available like...Pfizer. They intend to genotype dozens of diseases and put this information into the public domain. The first step of that is in seven diseases that are being genotyped at Perlegen...

...companies providing genetic analysis in the marketplace today. Again, with this information in the public domain for researchers who want to conduct their own products and have a large data set...

...NGFN is one of the major genome centers in Germany. They're going to study 17,000 different samples using our 6.0 product. This is across kind of a broad...

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20/K/11 (Item 9 from file: 15)

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04411661 1271565481

**Telefon AB LM Ericsson Capital Markets Day - Final**



Anonymous

Fair Disclosure Wire pp: n/a

May 9, 2007

**Journal Code:** FDCW

**Word Count:** 56520

**Text:**

...cost efficient and the more subscribers you get in the networks the more economies of scale you get and it becomes more affordable, so we constantly underestimate how this is growing...And technology leadership remains key. It's both about capacity, it's about capability and scale matters more than ever. It's more and more that we need to do.

And...

...many years, you have the skills, you have the experience and you also have the scale. This is about skill and scale.

If you can run, and do since a long time, several operators in that market ...digit growth, remember the investment cycles that I showed you, and we also expect the decimal market for professional services to continue to grow.

Final slide, if I look at then...and Multimedia. As you see, the Networks grew 5% with a stable operating margin of 17 %.

If I would adjust that a little bit for the currency, my gut feeling is... At the end of the day price erosion comes from Oslo and doing economies of scale and so you come back to the traditional turf.

I would say that we're...competition, they will need to get to those levels and they're still behind in scale.

I still think our profitability is not the result of over charging a customer if you think it's higher than competition, it's because we have the scale advantage and the operational excellence and the ability to leverage technology leadership that results in...to show for you that the operational strategy that are based on the technology leadership, scale and operational excellence that we have been working with for several years really have paid...latest developed. But they also have had a long philosophy during a long time of scalability.

And the scalability is very important for us when we want to put different router capabilities into our...the SDSL and GDS that I talked about.

Redback is specialized on the IP EDGE domain. They have a very strong position in leading operators and actually operators that we historically ...

...so strong with.

Particularly strange on this product range is not only that it is scalable, they have a possibility to combine different EDGE functionality into one node and that they...been driving this strategy for now some time. It remains on three cornerstones, technology leadership, scale and operational excellence. We started this work already 2003.

We made enormous improvement of the...

...that we have taken. And if you have the technology leadership, if you have your scale advantage, I think this is a pretty unique ato replace or

position to take.

Now...

...We can there capacity or coverage in the base station. And naturally, this translates into scale advantage. And scale is the next area. It because more and more important.

We see that. Combined technology leadership with scale, and you really start to bring down cost. Volume is a prerequisite for economies of scale.

For example, we noticed today that we have now 1 million GSM base stations since...

...you use this and then use common components and even -- in a -- even leverage this scale even further, for example, the whole product range we have in wideband CDM in almost...

...on four components.

And that allows us to have a broad product range but enhancing scale even further.

So, only when it comes to scale, it's the master large-scale projects. The opportunity we had with T-Mobile in the swap of 10,000 base...

...it.

The Cingular development was all about taking lots of R&D people used to scale, and actually push the road map to a place that nobody believed it could be...can have the most advanced product on the ground, but we can also use various scaled R&D resources in reducing costs, because reducing costs is not simple. You have to...

...out of the machine.

So, by combining these three cornerstones, the technology and the leadership, scale and operational excellence, we think that we can achieve cost leadership. And that in turn...

...a long-term portfolio strategy.

And with our cornerstones and our operating strategy, technology leadership, scale, operational excellence, I think that we are pretty uniquely positioned in this industry to outpace...

...have products on the ground 2009 that we will be able to shape, large, big-scale 2010 if we find customers that really want to do that.

Customers have different reasons...

...growing is that we see that the majority of the technology and the volume, the scale enables the prices to go down primarily on handsets.

We know historically that the wideband...running. Obviously, we have added Tandberg TV, which is the leader in the whole TV domain. And Eric will come back to that a bit later.

And as I mentioned, in...

...the coming years.

And of course, we see with the position of last year of 17%, and of

course we're on the positive curve of Sony Ericsson moving forward. We stuff you can do within the prepaid domain .

I think an important part here -- I think you heard Sol mention time of the...

...And we see it also coming slightly delayed, but it is coming in the mobile domain . And obviously, for us, it's very important to be in this marketplace.

If we...

...it gives us the opportunity, as Ericsson, to grow from addressing TV in the Telco domain into also addressing TV in the cable, which is going from analog to digital, but...

...Multimedia group, but so to say running its own business with exception of the IPTV domain where we, of course, will have a very strong combined portfolio of products to take...addressing with the areas I talked about, a growth rate in the range of 15%, 17 %, something like that, is what we see right now.

And obviously, our ambition then in...players and they play a competitive match in a nightclub in the dark.

We had 17 ,000 people register to come to that event in Miami and the amount of visibility...will talk much more about operational excellence and how we drive (inaudible - audio gap) and scale leverage today. That's the agenda.

So why don't we kick it off by...

...increasing their competitive advantage as we have seen some mega mergers, and they will gain scale .

We can also see the diocyte companies coming more and more into this zone and...parts. Number one we have local service people working for Ericsson close to the customers, 17 ,500 people today working close to our customer delivering services.

6,500 people sitting on...

...efficient and stay ahead of the game and have a profitable growth -- that is leveraging scale and leveraging skill.

Leveraging scale is all about maximizing our scale advantage, doing standardized holds, processes, streamline operations as much as possible. Leveraging skills is much...

...s how we grow initially.

But if you used to look outside the market our scale leverage and skill leverage is the main driver for competitive advantage where we can be...

...a managed service for our customers. So this is how we take leverage on a scale that already had and continuing to grow. And finally then, then we start to do...

...Again we have all the capabilities but we just continue to grow. And this is scale leverage because we had the tools. We had the methods and we had the process...

...interface to them.

But again we grow with the existing capabilities and this is leveraging scale where we actually can drive out cost in the whole value chain by doing that...need to be done locally. So we industrializing this and this is where we gain the scale .

Suddenly we can manage from the network operator center in Italy we're delivering to...  
...from one to one to one to many and this is where we do the scale efficiency.

You're seeing that we can leverage hierarchy in the value chain, having the...

...network that Sol talked about that was designed remotely.

Suddenly we can take advantage of scale because we are global centers and skill, the best people that can design networks they...

...a daily basis, really finding it out.

So if I look at my value chain, scale and skill is number one because that's where I can drive my competitive advantage...

...five key things that are measuring that we're actually leaving up to using the scale and the skill advantage that we ...building out networks 130 years and that's part of our competence I think on- scale demonstrates. But it also helps to make sure that you get an install base to...term I say that if we work with this and keep our competitive advantage on scale and skill I think that we should do well here and we should capture the...  
...the different areas perform.

Ultimately most of the areas are software and application-based where scale comes in very positively and we should be able to achieve much higher margins than...50 operators where they run it in four or five. And with the economies of scale there is obviously a rational here in trying to find ways of cooperating.

At the...you just told us that you have a strong competitive advantage on Services, based on scale . At the same time we see Siemens and Nokia emerging and Alcatel-Lucent.

[Agasan] just...

...two companies that is now on the go and those -- they will of course get scale of economy because of the mass.

But it's not only that they need of...coming to an end?

Secondly, one for Hans. You talked a little bit about global scale . I just wondered if you could talk about in market scale . So as you get a second or a third operator in a given market, what...begs the question, what is your ambition?

What do you see as the critical mass, scale , to say achieve double-digit margin? And are you impressed with competition? What feedback do...And the second one is, Karl-Henrik, we've heard a lot today about the scale benefits on R&D, how that's delivered better technology and market share gain. But...It's Mark Power from Redburn Partners. Hans, you talked a lot about leveraging your scale . In Q1, we had quite substantial sales growth, about 20%, like for like. Yet margins...

...those comparisons are a little bit difficult to say that is going to be the scale because it might not be the same projects or it might not be the same...

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20/K/12 (Item 10 from file: 15)

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04379841 1416675571

**ONLY IN AMERICA: TAX PATENTS AND THE NEW SALE OF INDULGENCES**

[1]

King, Robert

Tax Lawyer v60n3 pp: 761-779

Spring 2007

**ISSN:** 0040-005X **Journal Code:** TLA

**Word Count:** 10526

**Text:**

...over congressional law and may eventually lead to the public's embrace of the public domain .

This Comment discusses the development of patents on tax methods and strategies. Part I introduces...spokes) assets into an investment portfolio (the hub) that had been organized as a partnership. 17 The main advantages of this system were to achieve economies of scale and to qualify for the tax advantages associated with partnerships. State Street Bank brought suit ...Court has invalidated a patent setting forth a process that transforms, for computer-programming purposes, decimal figures into binary figures-even though the result would seem useful, concrete and at least... Ppublic ownership of the law means precisely that 'the law\* is in the 'public domain ' for whatever use the citizens choose to make of it."89

Of course, an argument...balanced by the fact that after that period, the invention is dedicated to the public domain . The disclosure exists not just for disclosure's sake, but so that the public may...

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**Dialog eLink:**

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20/K/13 (Item 11 from file: 15)

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04335649 1220392151

**Q4 2006 Cap Gemini SA Earnings Conference Call - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Feb 15, 2007

**Journal Code:** FDCW

**Word Count:** 13363

**Text:**

...growth - 15%. For the Project and Consulting alone, a book to bill that reached 1. 17 , which certainly will fuel the growth in 2007.

Operating margin now. We could say that North America is still very slightly dilutive to the Group, but only by a few decimal points - 0.4. So 5.4% of margin for an overall margin for the Group...m quite happy that now we are in a position to select narrow segments of domain expertise where we can lead and with some brands that I think are world leader...we will do through a few pilots. That is, our view, the only way to scale up our organization. And our latest update on our volume ambition - notably based on the...

...account management.

Innovation. I mentioned the sectorial innovation and the [bet] on 15 key sectorial domain expertise. I'd like to stress, too, that we will and we will invest to...

...an alignment of the culture across countries that will be the key driver for reaching scalability . So a lot of effort, a lot of training efforts that you will expect from...active], positively oriented, in Benelux - plus 4%.

Germany. Germany, plus 14.2%. CS/TS, plus 17 %. Very good position on the market of Capgemini today. Very good portfolio specialization, I would... There is no trade-off. TS in Germany has grown at, as I said before, 17 %, and is posting profitability of 18%, so that's remarkable. The CS profitability in Germany...

...which are Schneider, TXU and Aspire, in the total revenue of Capgemini has grown from 17 % in '05 to 20% in '06. So as a consequence, the impact of those big...

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20/K/14 (Item 12 from file: 15)

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04261657 1169458511

**Q3 2006 Penn West Energy Trust Earnings Conference Call - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Nov 14, 2006

**Journal Code:** FDCW  
**Word Count:** 10350  
**Text:**

...third quarter of 2006 averaged \$10.64 per barrel of oil equivalent. This represents a 17 % increase over operating costs for the third quarter of 2005. A portion of this increase...the total book reserves would account for about \$6 million. So remember that is a decimal point of a percent. Very minimal bookings basically just associated with the well that we...As we integrate the Petrofund assets into the Energy Trust there will be efficiencies of scale as we -- I guess in the worst instance we've got a couple properties where...

...We've also gone to permanent employees rather than contract employees basically on a global scale. That is ...debate in this country we've been having in the last two years over eminent domain. Is there any possibility of that? I realize you may not be an attorney, but...

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20/K/15 (Item 13 from file: 15)

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04170549 1092363961

**Event Brief of Q2 2006 RealNetworks Earnings Conference Call - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Jul 27, 2006

**Journal Code:** FDCW

**Word Count:** 7514

**Text:**

...2m, up 55% from 2Q05. 2. Games now represent 24% of total revenue, up from 17 % a year ago. 1. This growth shows that the Co. is successfully executing on its...2. CV based, on RNWK's Helix Online TV application service provider service, continues to scale up as Cingular rolls out 3G services nationwide. 3. Today, the Co. is pleased to...

...5. While the initial revenue from these deals may not always be large, they generally scale up with usage and provide recurring revenue over a sustained period of time. 2. RNWK...

...Co. sees acquisitions and opportunity to enhance shareholder value. 2. RNWK continues to take a decimal approach to M&A. 4. The Co. ...R.G.) 1. Details: 1. The Co.'s games business is continue to grow in scale, and RNWK sees good opportunity to continue on this trajectory. 2. The Co. is committed...

...by its nascent success as an application service provider to carriers and is committed to scaling this up. 4. The Co.

expects to continue to leverage its software distribution capabilities both...used to be premium in terms of web streaming is moving into the advertising type domain . So we have a new executive leading up that area. [Harold Zytes], who's joining...

...out, we've got nice APIs that's easy to integrate with and if it scales up the number of games it's in and we scale up the number of geographies we put it in, I think it will do better...working with Cingular Video, as I said that's sort of early and it's scaling up. But in Cingular's case specifically, they're in the process of rolling out...

...model as one that's from many application categories it's the best way to scale up revenues from our standpoint and to deliver a complete solution from the carrier and...

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Dialog eLink:

USPTO Full Text Retrieval Options

20/K/16 (Item 14 from file: 15)

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03892238 933047521

**Rockwell Automation to Host Investor Conference - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Nov 15, 2005

**Journal Code:** FDCW

**Word Count:** 15980

**Text:**

...see today, we did make significant investments in both globalization, particularly in emerging economies and domain expertise, throughout the vertical industry initiatives.

As many of you saw on your trips to...process space going forward here.

Let's start with compact Logix. This is all about scalability of our technology, filling in the lower end, growing our current Logix baseline to accommodate...

...as well going forward. This is an exciting addition to the family, focused on the scalability of the technology and the ability to create a multiple price point platform to address...and the single largest growth opportunity for us as a business. The key benefits are scalability and modularly. The customer gets to purchase what they want and what they need, and...and our design capabilities.

Our ability to invest knowledge of the plant floor and manufacturing domain expertise are what will guide us to develop a highly scalable , flexible applications suite that allows us to seamlessly link the plant floor to the enterprise...those three segments of our business with architecture and differentiated technology products, and to user domain expertise to be able to support the customer. In addition, we expect to see



continued...

...introduced last year was our industry vertical selling model. During 2005 we created industry specific domain expertise that was staffed with dedicated sales resources, and developed a targeted approach to solve...

...our verticals and made significant progress along the way. We hired over 50 people with domain expertise. And our staffing is now at 95% complete. We rolled out application-specific software...doubling our address of the market. But I do show what the -- both revenue and decimal (ph) equipment spending look like both past and on the forecast periods.

On the right...out that the Rockwell, Alan Bradley business has done 7 to 8% over the last 17 years vs. a global GDP of some 3 or 4%. Our job, of course, is to keep that going.

Looking outside the United States, the scaling is the same money on each of these charts, and it really points out the...make -- so far have made few, but look at many acquisitions. Our ideal acquisitions is domain expertise, information, enhances our presence in the information space, a growth accelerate. I would describe...

...is that they are small. But they do exist as a way of improving our domain expertise, and accelerating growth initiatives that are elsewhere talked about.

On the right hand side...is the one that is being sold in Asia. It is a global product, global scale, with global size, better than global performance, and a great cost target. It is the...

...not where the core strength of the architecture and where our core strength of the domain expertise is going to be. That would be another reason why we believe we can...feel all the information resides in the controllers and all of the knowledge and the domain expertise resides on the plant floor. And so our strategy is to cooperate, to utilize...

...we certainly expect them to come down. But we do not believe they have the domain expertise, the real time control information, the real time plant floor knowledge, and the domain expertise in the verticals, and the underlying technology platforms that will allow them to be...

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**USPTO Full Text Retrieval Options**

20/K/17 (Item 15 from file: 15)

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03889137 929825661

**Lockheed Martin November Investor Conference - Final**

Anonymous

Fair Disclosure Wire pp: n/a

Nov 8, 2005

**Journal Code: FDCW**

**Word Count: 52720**

**Text:**

...And perhaps Bob will have an opportunity to elaborate for you in greater detail.

About 17 or 18% of our revenue is generated through the international segments of our business. And...see a nominal line that says there are certain things at the top of that scale, and there are some things below that scale. Where we have put the line may not totally represent the market. But what it...today more systems and more platforms out there in the national security and civil agency domain than any other Company. And that, again, provides tremendous insight into what the customers' missions ...

...able to go to Space Systems when you are talking about something in the satellite domain, to go to an information technology organization when you want to talk about the infrastructure...

...and the security architectures that have to go with the ground part of that space domain -- that provides tremendous capability for us, because we can reach out across the corporation. And...  
...engineering tools -- things to do analysis of alternatives. And our ability to put together that domain expertise and take that investment in tools and analytical capability and deliver better solutions to...is an area where we get leverage from having an organization that operates in that domain, in Mike's area, and take that and leverage that into our traditional DoD and...Stan is involved in that, as well. But clearly, Judy Marks' business is bringing the domain expertise of the FAA, how we manage flights across the skies of this nation into...my Manassas business, for example, in Northern Virginia, was on the higher end of that scale, and my Syracuse business in upstate New York was on the lower end of that scale, because people had different opportunities depending on where they were living. But let's just...in a little bit different space than we have been, and take some of our domain competencies into those areas. That is one reason we recently made an acquisition in the...how to integrate tactical vehicles and a company that has a lot of the British domain expertise in attack and missile defense.

STAN SLOANE: And I think also, I mentioned STASYS...

...the strategy we embarked on a couple of years ago, which was to leverage our domain expertise in space communications and move into the tactical communications arena. And STASYS had domain expertise in tactical datalinks. So that was a strategic fit for us. And those are...  
...more of a -- what's strategic for us? What gets us into a new technical domain or new customer set for a new market for existing products, and how do we...at Lockheed gives us an advantage. The harder the job, the higher up the complexity scale it goes, the fewer people can actually do that work. And I don't want...That's real and so is the dollars associated with it. Now, on the larger scale on a less-defined process or program or area, it's more difficult. But I...as well as handing you off across the country safely. Again, five 9s after the decimal point when you talk about safety of flight for you and your family.

We've...

...census every 10 years, how do you keep the skills, how do you keep the domain expertise?

We've come up with a way in Transportation and Security Solutions to be...business models.

The third area is really how we take a half-century of customer domain expertise, excellent technology, and these flexible business models and leverage that into new areas like the outsourcing area, where we were able to couple Lockheed Martin's competencies with our domain expertise with this customer to win that competition. And horizontal integration plays a very, very...outside who doesn't have that brand recognition, who doesn't have 50 years of domain expertise to introduce themselves as a new player into the market. And although the government...

...the outsourcing business was somewhat foreign to Lockheed Martin. And using their competencies and our domain expertise and Judy Marks' technology that had been developed for the FAA, we were able...Museum and I was corrected on the speed at which he really traveled. I show 17,500 miles here. One of the employees at the Museum told me it was actually the 17,501 miles per hour since he was a little distance away from the shuttle when...savings that were realized by base closure, reductions in the workforce and economies of scale to be realized. The QDR, which will report out in February, will provide a further roadmap...

...export market remains particularly strong. Steady state over the last couple of years, about 17% of the sales revenue has been generated through our external sales and we project that going...the Norwegian Frigate program, taking our combat proven AEGIS system on a large ship, scaling that with IZAR, our industrial partner in Spain for a slightly smaller F-100 frigate, and then scaling it again to a smaller vessel; that's the requirements for the Norwegian frigate program. But...

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**USPTO Full Text Retrieval Options**

20/K/18 (Item 16 from file: 15)

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03793650      887819031

**Q2 2005 Smith & Nephew Earnings Conference Call - Final**

[1]

Anonymous

Fair Disclosure Wire pp: n/a

Aug 4, 2005

**Journal Code:** FDCW

**Word Count:** 14284

**Text:**

...our reported revenue growth and EPSA growth would have been 1% higher at 15 and 17 % respectively for the quarter.

Here, we have the usual reconciliation of reported to underlying revenue ...one. Underlying revenue growth is the same, therefore at 12%.

Orthopedics growth was tracked at 17 % in Q1 and is now 18% in Q2. Endoscopy was 10% in Q1 and, as...in the US. Particularly helped by Peri-loc and our new produce revenues overall with 17 % in the first half. Those of you who've got great memories will note that...in our Hull

facility. And of course, driving Dermagraft profitability. So overall, we're targeting 17 % margins for 2008.

While we have good growth prospects, the global rollout of some of...

...dimensional in nature. You try and debride them with the existing methods, which is a scalpel, you're trying to cut through a deep wound with a two-dimensional blade. It...Well, if you are talking sort of in the -- you know, let's call it decimal places, I suppose the currency is marginally stronger, but we're just basically sticking to...don't really speculate on FDA timelines other than what they have in the published domain. So that's the best guidance I can give you.

MARK MULLIGAN: OK, thank you...

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**USPTO Full Text Retrieval Options**

20/K/19 (Item 17 from file: 15)

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03596972 1011647611

**ALGEBRAIC SIGNATURES FOR SCALABLE WEB DATA INTEGRATION FOR ELECTRONIC COMMERCE TRANSACTIONS**

Adiele, Chima; Ehikioya, Sylvanus A

Journal of Electronic Commerce Research v6n1 pp: 56

Feb 2005

**ISSN:** 1526-6133 **Journal Code:** ETCR

**Word Count:** 12838

**ALGEBRAIC SIGNATURES FOR SCALABLE WEB DATA INTEGRATION FOR ELECTRONIC COMMERCE TRANSACTIONS**

**Abstract:**

...guaranteed to be in the same format. We also show that our approach guarantees a scalable and correct integration system. [PUBLICATION ABSTRACT]

**Text:**

...to consolidate and standardize Web data, thus making Web data readily available. We present a scalable integration system that is capable of integrating Web data sources. Our design philosophy hinges on...

...The model we propose leverages algebraic signatures with sound integration principles and algorithm to guarantee scalability and correctness of the integration system. We define algebraic operators and functions to manipulate objects...

...is to ensure that the local schemas are well formed. Therefore, the

model we propose scales over multiple sources. Finally, the output of the integration methodology is a transparent integration result...

...the burden of identifying and interpreting e-commerce data from the user.

d) Our model scales over multiple data sources because reducing the complexity of the integration process enhances model's scalability .

An algebraic signature is an implicit property-based formal framework that implicitly expresses operations by...despite the ad hoc integration approach that depends on substantial manual input.

There are also domain specific efforts to standardize documents and messages for e-commerce applications based on eXtensible Markup Language (XML). An Electronic Business using the eXtensible Markup Language (ebXML) [W3C, 2002] is a domain -independent standardization effort that aims at developing a domain and application-independent standard for exchanging business data. One problem of ebXML is that it...data types being integrated is chosen as the type for the GIS. For example, a decimal would be chosen when the types to be integrated are decimal and integer.

2. Data types that are not closely related are incompatible, e.g. string... correctness of the integration system, we define the following restricting operators; the operator (...) restricts the domain , and the operator (...) restricts the range of relations. These operators enable us construct sets of...

...that every element in SLS is mapped to an element in GIS such that the domain of  $f^{\wedge}$

sub GIS

is the whole of S

sub LS

. ... filters ( ...is contained in  $Q(GIS)$  and  $Q(GIS)$  is also contained in..., then we write;

... ( 17 )

where the symbol "... " shows that  $q$

sub i

is contained in  $Q$ .

Corollary 1. Suppose...

...implies that ... satisfies  $(u, l$

sub i

, v

sub 1

) such that ... (by the closed domain assumption). Similarly, ... means that  $(u$

sub 1

, 1

sub k

, w) satisfies ..., which implies that...

...this paper, we leverage a flexible semistructured data model and a common ontology to provide scalability and correctness of the integration model. Our formalism reduces the complexity of the integration process...  
...that local schemas are correctly represented in a platform independent Del-G format. Our approach scales over multiple data sources since the local schemas are well-formed and the integration methodology...

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**DSPTD Full Text Retrieval Options**

20/K/20 (Item 18 from file: 15)

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03485413 1440894541

**Low-power wireless smart data acquisition system for monitoring pressure in medical application**

Arshak, K; Arshak, A; Jafer, E; Waldern, D; Harris, J

Microelectronics International v25n1 pp: 3-14

2008

**ISSN: 1356-5362 Journal Code: MCLT**

**Word Count: 5671**

**Text:**

...based on converting the C-V first. Then the voltage will be converted into digital domain with high precision analog-to-digital converter (ADC).

In this work, a new approach has...

...directly.

Functional description

The main functional blocks of the capacitive module are shown in Figure 17 (Figure omitted. See Article Image.). The system consists of on-chip integrated temperature sensor, 24...containing the information in 0 and 1 density. The data from the digital filter is scaled and the final result can be read through the serial interface.

Measuring system performance

The...

...configuration and other user options. Next, the collected data bytes will be converted to a decimal values and processed, as decided by the user, to get either pressure or temperature value...Flowchart of the transmit RF protocol

Figure 16: Flowchart of the receive RF protocol

Figure 17 : Block diagram of capacitive module

Figure 18: Block diagram depicts the CDC

Figure 19: Block...

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**USPTO Full Text Retrieval Options**

20/K/21 (Item 19 from file: 15)

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03387839

1473876901

### **Participatory Networks: The Library As Conversation**

Lankes, R David; Silverstein, Joanne; Nicholson, Scott

Information Technology & Libraries v26n4 pp: 17-33

Dec 2007

**ISSN:** 0730-9295 **Journal Code:** JLA

**Word Count:** 12906

**Text:**

...field that serves lawyers, doctors, single mothers, and eight-year olds (among others) fragmented.

The scale of this technology brief is limited; it is to present library decision-makers with the...to items cataloged or to circulation numbers . . . they are all markers of the scope and scale of conversations within the library context. This approach might enable the library community to better ...central coordination. This differs from the deductive approach of such classifications systems as the Dewey Decimal System, where the world of ideas is broken into ten nominal classes.<sup>13</sup> It also...instant of insight when all the facts come together in the shape of new knowledge." <sup>17</sup> In the case of Library 2.0, the new gadgetry discussed in the previous section...

...0, a library will continue to develop and deploy the rich descriptive standards of the domain , whilst embracing more participative approaches that encourage interaction with and the formation of communities of...Is a blog a social networking site? Is Flickr? To compound this confusion, the academic domain of social network theory predates MySpace by about a decade.

\* Web 2.0: Ambiguity also...conversations to the user's space. Furthermore, these systems are often tested in very large- scale environments and are, in some cases, the same tools used in large participatory networking sites

...wikis), to test new Web services against pooled data (catalog data, metadata repositories, and large scale data sets), and even to incorporate new services into the current library offerings (RSS feeds, for example). By combining resources (money, time, expertise) in a single, large-scale test bed, libraries not only can get greater impact for the their investments, but can...

...participants to editors, from readers to writers, these organizations have seen membership as a sliding scale of trust, and libraries need to adopt this approach in all of their basic systems...at conferences and lectures. However, there is now a need to broaden the scope and scale of the conversation. The theoretical foundations of participatory librarianship need to be rigorously presented. The...676 for their tremendous input and for their exploration of the related concept of Massive Scale Librarianship: Marcia Alden, Charles Bush, Janet Chemotti, Janet Feathers, Gabrielle Gosselin, Ana Guimaraes, Colleen Halpin...

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**Dialog eLink:**

**USPIO Full Text Retrieval Options**

20/K/22 (Item 20 from file: 15)

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03293392 1366458971

**RECONSIDERING THE USE OF PERSONALITY TESTS IN PERSONNEL SELECTION CONTEXTS**

Morgeson, Frederick P; Campion, Michael A; Dipboye, Robert L; Hollenbeck,

John R; Murphy, Kevin; Schmitt, Neal

Personnel Psychology v60n3 pp: 683-729

Autumn 2007

**ISSN:** 0031-5826 **Journal Code:** PPS

**Word Count:** 16019

**Text:**

...use of personality tests in selection?

(h) Should personality research focus on an expanded criterion domain ?

(i) What kind of future research should be done?

In addition, panelists were given the...predicting proficiency criteria, the median uncorrected validity was .10 with an interquartile range of .05-.17. The median corrected validity was .18 with an interquartile range of .09-.26. For predicting...is that if we are interested in



improving validity alone, then the use of "faking" scales is not going to have more than minimal effects in all situations that represent reasonable ...Faking in Personality Tests?

Neal Schmitt. I do not have much confidence in social desirability scales either. From data that I have collected over the years, they do not seem to do what they are supposed to do. If we want to use faking or lying scales at all, what we should do is to construct a set of items that are...  
...and to the organization for which you are working.

Michael Campion. With regard to faking scales, I want to concur with Neal and add one more point. A recent review I conducted of faking scales led me to believe that many social desirability scales are actually positive attributes, and I would have a hard time explaining to clients or...

...always paying attention as we think they are.

In fact, some personality tests have such scales and refer to them as validity or carelessness scales. They are usually items with known answers or answers that everyone should respond to in...

...not be valid.

Robert Dipboye. I too am skeptical about the use of social desirability scales to detect faking on personality inventories. Unfortunately, I am just as skeptical about the options...

...read, but who is to verify the accuracy of the response? The inclusion of carelessness scales, as mentioned by Mike, is a potentially good approach to weeding out those applicants who...think that is going to be the case, I would include a carelessness or faking scale that detects individuals who are careless or those who are obviously lying or faking. I ...

...to measure their Conscientiousness may lead to more faking. So I would not label the scales so clearly in a selection context.

#### Research Issues

Issue 8: Should Personality Research Focus on an Expanded Criterion Domain?

Kevin Murphy. If you break down performance measures into contextual versus task-related, you find...agree with Kevin's point about the importance of focusing on aspects of the criterion domain that may be more logically related to personality, but I am concerned about our ability to distinguish it from other aspects of job performance.

Robert Dipboye. Expanding the criterion domain is a good idea. Limitations in the criterion domains used in validation are a major...

...to see studies of people that score at the low end of some of these scales.

In addition, I would like to see a more thorough breakdown of the jobs that ...to both candidates and organizations.

(g) Future research might focus on areas of the criterion domain that are likely to be more predictable by personality measures.

(h) Personality constructs certainly have...

...hardly differ. If the criterion is the correlations are not the same to

the second decimal place, then I am sure that given sampling error, all 18 would find differences.

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20/K/23 (Item 21 from file: 15)

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03268764 1095870111

**How R&D management practice affects innovation performance**

An investigation of the high-tech industry in Taiwan

Huang, Eugenia Y; Lin, Shu-Chiung

Industrial Management + Data Systems v106n7 pp: 966-996

2006

**ISSN:** 0263-5577 **Journal Code:** IDS

**Word Count:** 10438

**Text:**

...in the electronics industry, they span the entire supply chain of the industry, and their scales of operation differ as a consequence. The capital of UMC is around NT\$177.5...

...NT\$3.2 billion), and Apex (NT\$1.8 billion). The diversity in the size, scale of operation, and product range of the sample cases provides

adequate breadth for observation, while thorough background information gathering through public domain and close interview and internal documents provide the depth of understanding.

face=**Design of...**

...measured by multiple questions to ensure reliability, and were measured with a seven-point Likert scale whenever possible. As no previously tested instruments exist, this research is exploratory in nature. The...

...are shown in the Appendix 1. For the variables that are hard to quantify, nominal scales were used. A Friedman test was conducted on the nominal scaled variables, and for the metric data, independent sample  
face=*tests, one-way...*

...was possible to identify different management styles as characterized by a proactive or reactive attitude ((17) Howell, 1988) that lead to different levels of involvement in R&D activities. The data...  
reliability level ((31) Nunnally, 1979) of the variables which are measured by interval or ratio scales.

To analyze the relationship between the structure of R&D management and R&D management...Article Image.) were not used to cluster the samples because they were measured by nominal scales. The Friedman tests of these properties show that the educational background, work experience, and expertise...

...are distinguishable. The choice of the ANOVA or the Friedman test is based on the scale of measurement, as ANOVA is applicable to metric data and Friedman to nominal data. Table...

...These implicit and explicit qualities are exactly the reason why they were measured by interval scale or nominal scale in the first place. Therefore, the tests of difference between the groups in Tables IV...M. (1999), "Unbundling the corporation", Harvard Business Review, Vol. 77 No. 2, pp. 133-42.

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(white square) Yes (white square) No (studying by oneself) (white square) No

17. Whether R&D department has group study of research papers

(white square) Yes (white square)...

...to each of the following function? (If one person serves multiple functions, you can use decimal or fraction to express it.)

(white square) Number of administrative personnel...

Dialog eLink:

USPTO Full Text Retrieval Options

20/K/24 (Item 22 from file: 15)

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03232256 1091744541

**The impact of the euro on the consumer decision process: theoretical explanation and empirical evidence**

Gaston-Breton, Charlotte

Journal of Product & Brand Management v15n4 pp: 272-279

2006

ISSN: 1061-0421 Journal Code: JPB

Word Count: 6395

**Text:**

...from "old francs" to "new francs" in 1960 or when Britain's pound sterling went decimal in 1971.

The change to the euro is a challenge managers have to meet. The...

...opens up many research opportunities in marketing, more especially in consumer behaviour. A first research domain deals with the acquisition of the new monetary language for which some literature is already...

...42) Zollinger's (2002) work, for example, shows how people tend to rely on the scale of values they are familiar with when evaluating prices in euros. It points out that...

...39) Weber, 1846) and use differential thresholds to discriminate between two intensities of those stimuli (( 17 ) Fechner, ...moderating factors. It seems therefore that consumers will get more quickly used to the euro scale of values for frequently purchased products. It is equally important that retailers and public authorities...

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Appendix. Measures used

According to pre-tests, the following measures are chosen for the dependent variables:

- A mono-item with a semantic differential scale (from extremely low to

extremely high) is used to measure the perceived price gap.

- A multi-items scale (translated in French from the scale used by (16) Dodds face=*+*Italic; et al.face=*-*Italic; (1991)) is chosen and reduced...

...for the willingness to buy the national brand and the private label with a Likert scale .

The measures chosen for the moderating variables are as follows:

- age and gender are measured...

...experience of the new currency is measured with a mono-item measure using a Likert scale .

The external variables (familiarity toward the product category and the brands, beliefs relative to price...

...perceived quality of the brands and income level) are measured with mono-items and Likert scales except for income level.

Corresponding author

Charlotte Gaston-Breton can be contacted at: charlotte.gaston...

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**Dialog eLink:**

**DSPTO Full Text Retrieval Options**

20/K/25 (Item 23 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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03129629 974864361

**Creating and managing XML with open source software**

Morgan, Eric Lease

Library Hi Tech v23n4 pp: 526-540

2005

**ISSN: 0737-8831 Journal Code: LIHT**

**Word Count: 5863**

**Text:**

...library collections and services. For example, it would be possible to mark up sets public domain documents using TEI (Text Encoding Initiative) and make them available as browser-friendly HTML documents...

...and your knowledge is a great way to learn about XML, it is not very scalable . Using just these tools it would be difficult to create collections and services of any...

...been created to facilitate the creation and maintenance of XML data/information on a large scale . Some of these tools are described in the following sections.

## Parsers

Of all the things...in the various standards. From the Saxon documentation, some of the more interesting extensions are:

\* decimal -divide() - performs decimal division with user-specified precision;

\* format-dateTime() - formats a date, time, or dateTime value;

\* max...Notre Dame, University of Notre Dame, Notre Dame, Indiana, USA

Received 7 June 2005

Revised 17 July 2005

Accepted 30 July 2005

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### Dialog eLink:

USPTO Full Text Retrieval Options

20/K/26 (Item 24 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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03080195 1023488681

### Research Performance Management in Academe

Manning, Linda M; Barrette, Jacques

Canadian Journal of Administrative Sciences v22n4 pp: 273-287

Dec 2005

ISSN: 0825-0383 Journal Code: CJA

Word Count: 7306

### Text:

...journal in the two previous years were cited in a particular year), reported with three decimal digits. Although it has been criticized in all disciplines, the impact factor tends to be...

...of an individual researcher's publications. The impact factor is a number reported with three decimal digits, which gives it a quantitative legitimacy and prestige, and it is being increasingly used...1974). Others use a magnitude estimation procedure to calculate a geometric mean and a ratio- scale quality ranking (Hull & Wright, 1990).

Opinion surveys tend to avoid the difficulties of citation studies...

...journals outside their specialty are likely to deteriorate (Brown & Huefner). Peers in a different cognitive domain may evaluate a given scientific contribution rather differently, as their evaluation can be influenced by...L'échec de l'évaluation de la performance. Gestion, revue internationale de gestion, 19 (3), 17 -28.

Grant, H. (1998). Merit pay in Canadian universities. Relations Industrielles/Industrial Relations, 53 (4...



...Locke, E.A. (1992). The development of measures of faculty scholarship. Group and Organization Management, 17 , 5-23.

Koenig, M.E.D. (1983). Bibliometric indicators versus expert opinion in assessing research...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/27 (Item 25 from file: 15)

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03077579            1040636541

**Is This a Geolibrary? A Case of the Idaho Geospatial Data Center**

Jankowska, Maria Anna; Jankowski, Piotr

Information Technology & Libraries v19n1 pp: 4-10

Mar 2000

**ISSN:** 0730-9295 **Journal Code:** JLA

**Word Count:** 4334

**Abstract:**

The article presents the Idaho Geospatial Data Center (IGDC), a digital library of public- domain geographic data for the state of Idaho. The design and implementation of IGDC are introduced...

**Text:**

The article presents the Idaho Geospatial Data Center (IGDC), a digital library of public- domain geographic data for the state of Idaho. The design and implementation of IGDC are introduced...

...in the larger context of a geolibrary model. IGDC is a digital library of public- domain geographic and statistical data for the state of Idaho. The article discusses methodology and tools...team of geographers, geologists, and librarians started to work on a digital library of public- domain geographic data for the state of Idaho. The main goal of the project was the...query tools (figure 3). In the latter case, the user can enter geographic coordinates (in decimal degrees) defining the area of interest. This approach is equivalent to selecting a rectangular area...

...of the query and includes important information about the data files: their size, type, projection, scale , the name of the server providing the data, as well as the access path (figure...

...the outcomes of queries before commencing the download. One can sort files by name, size, scale , projection, and server name. This feature may be useful if the user decides to retrieve data of only one type (e.g., DEMs), of one scale , or when the user prefers to connect only to a specific sever. In addition, individual...

...selected to prevent files from being downloaded. The user can also remove selected files to scale down the set of data in the list.

One of the most important assets of...hits was more than twenty-five thousand. Almost 40 percent of users came from .com domain , 35 percent were .net domain users, 15 percent were .org, and 10 percent were .edu users (figure 5).

Figure 4...

...data that present scanned images of USGS standard series topographic maps at 1:24,000 scale . Digital Elevation Models (DEM) and Digital Line Graphs (DLG) were less popular. The Tiger boundary of thematic maps. The knowledge base incorporates domain -independent visualization rules determining which map presentation technique to employ in response to the user...

...transform georeferenced data into information.

Figure 5. Distribution of IGDC Users in Percent by Origin Domain

#### References and Notes

1. L. Covi and R. King, "Organizational Dimensions of Effective Digital Library...

...Specialist Meeting Held under the Auspices of the Varenus Project. Santa Barbara, California, Oct. 15- 17 , 1998, NCGIA, UC Santa Barbara.

8. B. Plewe, GIS Online: Information Retrieval, Mapping, and the...

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#### Dialog eLink:

USPIO Full Text Retrieval Options

20/K/28 (Item 26 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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03061141 875490781

#### **Modeling consumer satisfaction and word-of-mouth: restaurant patronage in Korea**

Babin, Barry J; Lee, Yong-Ki; Kim, Eun-Ju; Griffin, Mitch

Journal of Services Marketing v19n3 pp: 133-139

2005

ISSN: 0887-6045 Journal Code: JSV

Word Count: 5139

#### **Abstract:**

...customer satisfaction and future intentions. Key findings include the ability of the consumer service value scale to account for utilitarian and hedonic value, the role of functional and affective service environment ...

**Text:**

...satisfaction and future intentions.

Findings - Key findings include the ability of the consumer service value scale to account for utilitarian and hedonic value, the role of functional and affective service environment...

...consumer outcomes and building strong customer relationships.

Originality/value - The use of the consumer value scale (CSV) - particularly in a novel service context.

Keywords Hotel and catering industry, Customer service management...

...on Western consumer cultures. The development of both theoretical relationships among constructs and the measurement scales used to assess those constructs has largely taken place in North America and Western Europe...

...can make an experience rewarding in and of itself. Similarly, the Personal Shopping Value (PSV) scale is a two-dimensional construct reflecting the overall assessment of how worthwhile a consumer views...some knowledge concerning the relative strength of each mechanism in this particular context.

The PSV scale has been useful in explaining various consumer behaviors, including planned and unplanned purchases, continuance commitment...

...Michon, 2003; Arnold and Reynolds, 2003). Of particular relevance to the current study, the PSV scale has been successfully adapted to non-western cultures (see Griffin et al., 2000). Here, the scale is adapted to the Korean service context and will be applied more generally as the customer service value (CSV) scale.

The perceived value of goods and services offered by a retailer often coincides with retail...bored, sleepy, annoyed, and angry). Service quality is measured with three 7-point semantic differential scales based upon whether the overall quality of the restaurant during the visit was poor-excellent...

...capture beliefs about global service quality rather than specific service dimensions. Coefficient  $\alpha$  for each scale is 0.90, 0.89 and 0.90, respectively.

Perceived service value items were adopted from the perceived shopping value (PSV) scale (Babin et al, 1994). The PSV scale consists of 15 items representing perceived hedonic and utilitarian value. Items were translated and backtranslated...

...to establish further equivalency standards (Griffin et al., 2000). In the development of the CSV scale, some of the original PSV items were deemed inappropriate for a restaurant experience (e.g...

...were dropped during item purification due to high residuals. Following this procedure, the final CSV scale consists of six items representing perceived hedonic value of the dining experience and two items reflecting perceived utilitarian value. Coefficient  $f^2$  is 0.90 for the hedonic value scale and 0.76 for utilitarian value ( $r=0.61$ ).

Satisfaction was measured with four items across multiple scale types

(see Babin and Griffin 1998). The items included two 7-point "satisfaction" rating scales . One assessed a respondent's agreement (1 = strongly disagree to 7 = strongly agree) with the...

...item simply asked how much satisfaction he/she felt with the restaurant. A semantic differential scale assessed how good he/she felt about the restaurant (1 = very bad to 7 = very...

...she felt based on the overall appraisal of the experience on a 100-point percentage scale . Coefficient  $f^2$  for the satisfaction items is 0.89.

Table I Standardized CFA factor loading...

...WOM) were assessed using three items. The items measured agreement using a 7-point Likert scale with statements concerning intentions to say positive things to others, recommend the restaurant to another...

...df,  $p < 0.01$ ). The path estimate from positive affect to consumer satisfaction is 0.17 ( $p < 0.01$ ) suggesting that in addition to the indirect effect implied above, positive affect...the R

sup 2

for WOM remains at 0.73 after rounding (to the 2nd decimal ). Therefore, the results here and above suggest that positive affect has greater diagnosticity than does...

...perceived value in two areas, from traditional retail domains into a more "pure" core service domain ; and from Western cultures to the relatively communal Korean consumer culture. second, the research better...

...to the other constructs in a theoretically consistent manner. Thus, it extends the original PSV scale into a more pure service context, restaurants, and to a more communal consumer society, Korea...

...all marketing research, but takes on added importance in cross-cultural studies. In this case, scales developed in a Western culture were modified and applied in an Eastern culture. While careful...

...paid to translational equivalence (Mullen, 1995), recent studies have shown that satisfaction and service quality scales may be culturally sensitive (see Furrer et al, 2000; Ueltschy and Krampf, 2001). Thus, the... to the limitations of the current study. First, more rigorous and detailed testing of measurement scales in South Korea would further our knowledge of cross-cultural measurement issues. It is possible that some scales developed in Western culture may not be suitable for the South Korean culture. second, and...

...No. 25, p. 12.

Laroche, M., Bergeron, J. and Goutaland, C. (2001), "A three-dimensional scale of intangibility", *Journal of Services Research*, Vol. 4

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02861923 618719641

**Multiple solutions and stability of confined convective and swirling flows--a continuing challenge**

Gelfgat, Alexander Yu; Bar-Yoseph, Pinhas Z

International Journal of Numerical Methods for Heat & Fluid Flow v14n2

pp: 213-241

2004

**ISSN:** 0961-5539 **Journal Code:** NMHF

**Word Count:** 8798

**Text:**

...of the different processes. It has been clearly shown that despite the simplicity in the domain geometry and the assumption that the flow remains laminar, complicated, multiple flow patterns are revealed...shown that the computation of the critical Grashof number up to the third or fourth decimal digit is yielded by the use of 30 basis functions in the short dimension and...to the primary Rayleigh-Benard instability can be computed to within three to four correct decimal digits already with the use of six basis functions in the shorter dimension and 12...

...bifurcations (at point T), so that seven distinct steady states exist in the interval  $1.17 \times 10$

sup 6

; Gr ;  $1.89 \times 10$

sup 6

and nine...fluid case, 30 basis functions in the r-direction yield convergence up to five correct decimal digits. In the two-fluid case, however, we needed 70 basis functions to obtain the third decimal digit correctly, and 100 functions to converge for the fourth one.

It was shown by...

...by Gelfgat et al. (2001b). The convergence of the critical Grashof number to within three decimal digits is usually reached with the use of  $30 \times 30$  basis functions in the...

...for a cylinder with a parabolically heated lateral boundary and for  $Pr = 0.03$  (Figure 17) to illustrate once more that at a certain supercriticality, say  $Gr > 3 \times 10$

sup...1,  $a = 10$ ,  $We = 100$  (a)  $b = 0.8$ , and (b)  $b = 0.9$

Figure 17 .

Stability diagram for convection in a vertical cylinder with parabolically heated sidewall (Gelfgat et al...

...of the different processes. It has been clearly shown that despite the simplicity in the domain geometry and the assumption that the flow remains laminar, complicated multiple flow patterns are revealed...

...different flow driving mechanisms.

Further progress in material processing will depend on the realistic large scale computational simulations because a very fine resolution is needed to resolve the various temporal and three-dimensional spatial scales involved in simulating the related unsteady flow fields. Furthermore, a large number of computations are...

...at different cross-sections.  $Ta = 130$ ,  $Re = 10$ , radii ratio is 0.848 (out of scale on the graph), axial period is two. The initial perturbation is proportional to  $(a) \sin...$

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/30 (Item 28 from file: 15)

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02609599 373894551

**An experimental examination of information technology and compensation structure complementarities in an expert system context**

Mauldin, Elaine G

Journal of Information Systems v17n1 pp: 19

Spring 2003

ISSN: 0888-7985 Journal Code: JNFS

Word Count: 8972

**Text:**

...financial ratio analysis of potential loan customers and form a rating, on a 1-10 scale to two decimal places. The second task, overall risk rating, required participants to perform an overall loan evaluation (again on a 1-10 scale to two decimal places) by combining an evaluation of the economy, the industry, and management with a given...1990) define the major task requirements to be both general problem-solving ability and general domain knowledge. Their definition was used in this study. General problem-solving ability was measured using six questions from the Graduate Record Examination, consistent with Bonner et al. (1992). General domain knowledge was measured with eleven questions taken from accounting and finance textbooks. Skill combines the...

...measures of effort. However, to reduce measurement error (Venkatraman and Grant 1986), a multi-item scale is adapted from educational psychology research that was previously validated using both college students and average response to a four-- item subset of Kosmicki's (1993) seven-item scale, answered as part of the post-experimental questionnaire.12 The ex post assessment of scale reliability, using Cronbach's coefficient alpha is .93.

Duration of effort refers to the length...

...of use at an average of 2.7, on the lower half of the rating scale, toward very easy, suggesting that participants did comprehend the software. Additionally, the accuracy of participants...

...their case decisions and prior to their debriefing, participants rated

(on a 1-7 Likert scale with 7 labeled "not at all") the extent that their pay was based on how...intensity was used. The overall mean of the measure (3.4 on a four-point scale) indicates that participants generally reported high effort. This potential self-reporting bias is expected to... were dropped from the problem-solving ability test and six were dropped from the general domain knowledge test for improved scale reliability. However, in tests of HI using all the questions, the results are qualitatively the...

...and "I tried to do my best on the cases." Kosmicki (1993) includes three additional scale items: "I kept working even on difficult cases," "I didn't give up even though..."

...may represent commitment to the task more than intensity of effort. However, when the original scale is used the conclusions do not change and statistical significance of tests of hypotheses are...

...ability to make decisions similar to the practice cases?" Responses were on a seven-point scale, with 7 described as a great deal confident and 1 described as not at all...Self-efficacy: A theoretical analysis of its determinants and malleability. The Academy of Management Review 17 (2): 183-211.

Hammer, M. 1996. You get what you deserve. CFO: The Magazine for...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/31 (Item 29 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02563348 304850131

**The fable of entry: Bounded rationality, market discipline, and legal policy**

Tor, Avishalom

Michigan Law Review v101n2 pp: 482-568

Nov 2002

**ISSN: 0026-2234 Journal Code: MLW**

**Word Count: 20248**

**Text:**

...proponents of behavioral law and economics have found it necessary to state, "law is a domain where behavioral analysis would appear to be particularly promising in light of the fact that...highlights the profound impact of bounded rationality on market behavior and market outcomes outside the domain of antitrust law. The Article concludes by discussing the nature of and providing specific examples..."

...entry.<sup>16</sup> Profit maximization is accomplished by maximizing the net present value ("NPV") of investments. <sup>17</sup> If entrants were to follow the economic theory of investment decisionmaking, they would attempt entry...

...it is nearly negligible in the short term rarely amounting to more than

a few decimal points and often negative.<sup>27</sup> This minimal penetration reveals, importantly, that the success of those...many entry barriers.<sup>39</sup> They are not significantly deterred from industries where capital intensity and scale economics play an important role,<sup>40</sup> unless those industries are concentrated,<sup>41</sup> even though these barriers...  
...an even greater degree, establishing the third puzzle of entry.

Startups enter at a small scale<sup>51</sup> and fail to reach the average size in the industry even after fifteen years.<sup>52</sup>...entry, albeit with personal or other non-professional sources of funding and at a smaller scale. The evidence on the relationship between entrant size and survival lends some support to this hypothesis,<sup>235</sup> suggesting that the smaller and typically suboptimal scale of many startups is not only a cause of their greater mortality, but also a...entrants detract little from incumbents' market power.<sup>285</sup> When low barriers are accompanied with larger scale, actual or potential, diversifying entry, on the other hand, incumbents are more likely to face...factors are primarily the lack of entrant penetration into the market, the absence of large-scale entry, and the absence of innovative entry. In essence, the presence of small entrants without...

...entry as part of recoupment analysis should also be attentive to the entry of relatively large-scale, often diversifying, firms. By posing a more significant short-term competitive check on the incumbents...to create procompetitive efficiencies. The newly merged firm may enjoy, for example, new economies of scale or better integration, resulting in increased efficiency and lower prices, which benefit consumers.<sup>303</sup> Consequently...

...findings suggest, however, that diversifying entrants, which tend to attempt entry at a much larger scale than startups, and larger-scale entrants more generally, are those most likely to provide a short-term competitive check on...

...types of potential entrants. If the conditions and history of the market suggest that larger-scale, probably diversifying, entry is likely to occur following the merger, then a significant impact on price is more likely to follow. If, however, the evidence suggests that only smaller-scale, mostly startup, entry is likely to occur, then a significant timely impact on price would...

...entry is unlikely if new entrants would not have the opportunity to obtain minimum viable scale,<sup>318</sup> which the empirical findings examined in this Article suggest will often be the case with many smaller entrants. Therefore, especially in those markets where economies of scale are important for the survival of new ventures - but not sufficiently taken into account by many prospective entrants - the requirement of likely rational entry minimum viable scale prospects aligns the Guidelines' definition with the more competitively significant prospect of "increased likelihood of..."

...from incumbents, increasing the likelihood that some new entrants will obtain the requisite minimum viable scale, and, therefore, that new entry will impact post-merger prices.<sup>322</sup> Finally, the Guidelines emphasize...

...have been used to guarantee that entry will be deemed easy only when sufficiently large-scale or significant innovative entry is likely to occur - is constructed narrowly by the Guidelines. In...disregards either the effects of barriers on overconfident entrants or the longterm benefits of small-scale, innovative, negative expected value entry, stands a significant risk of decreasing instead of increasing social...



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**USPTO Full Text Retrieval Options**

20/K/32 (Item 30 from file: 15)

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267247931

**The marketing planning experience: A UK and Portuguese comparison**

Dibb, Sally; Farhangmehr, Minoo; Simkin, Lyndon

Marketing Intelligence & Planning v19n6/7 pp: 409-417

2001

**ISSN:** 0263-4503 **Journal Code:** MIP

**Word Count:** 4984

**Text:**

...communications. In the UK, services account for 75.8 per cent of the workforce, with 17.4 per cent in the financial sector and 23 per cent in retail, distribution and...UK research, 523 questionnaires were sent out, generating 89 usable responses (a response rate of 17 per cent). The vast majority of responses (82 per cent) came from marketing or joint...

...sample claimed not to have any kind of marketing department. At the other extreme, almost 17 per cent had a pure marketing function, with the vast majority, some 43 per cent...distribution;

\* customer service levels; and

\* salesforce activity.

The measure was developed from a five-point scale by assigning scores to the question responses - totally: five; a lot: four; moderately: three; a little: two, not at all: one. The number of responses for each point of the scale was multiplied by this value. It was then a relatively simple step to calculate mean...

...for the UK and Portuguese samples were the same - 3.6 - when calculated to one decimal place, which permits the comparison, as depicted in Figure 1.

This analysis illustrates some substantive...No. 7, pp. 3-15.

Greenley, G. and Oktemgil, M. (1996), "A development of the domain of marketing planning", Journal of Marketing Management, Vol. 12 Nos 1-3, pp. 29-51...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/33 (Item 31 from file: 15)

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02525264 277244001

**A knowledge network constructed by integrating classification, thesaurus and metadata in a digital library**

Jun, Wang

Bulletin of the American Society for Information Science & Technology

v29n2 pp: 24-28

Dec 2002/Jan 2003

**Journal Code:** BAS

**Word Count:** 3347

**Abstract:**

...Thesaurus was built and more than 5,000 bibliographic records were incorporated in the computing domain from the Peking University Library.

**Text:**

...authoritative in China, and we have incorporated more than 5000 bibliographic records in the computing domain from the Peking University Library. The result is encouraging. In this article, we review the...

...her abundant ancient books. Modern Chinese classification was greatly influenced by Dewey although the Dewey Decimal Classification wasn't popular in China. All the classifications now in use were created after...

...people. It was the biggest thesaurus at that time, containing 91,158 preferred terms and 17,410 non-preferred terms. Influenced by faceted thesauri, a huge project was started in 1986...

...Thesaurus and Metadata).

In Vision we combined the classification and indexing terms from the computing domain in the CCT with all the bibliographic records for Chinese materials in computer science held...perfectly. The KNICTM is an adaptive concept network capable of self-customizing based on the scale and domain of the given collection. The nodes and edges, supported by the metadata instances, prove the...

...nodes. A user facilitated by such an interface can learn the discipline structure of a domain, master the professional terms, understand the relationships among the subjects and pick up the documents...system included the e-text of the CCT and the bibliographic data of the computing domain. Both of them were provided by the Peking University Library. The characteristics of the original...

...including 1684 preferred terms which became concepts, and 278 non-preferred terms. Some non-computing-domain terms were also captured since they are the related terms.

The bibliographic data are loaded...

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USPTO Full Text Retrieval Options

20/K/34 (Item 32 from file: 15)

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02522868

276622581

**Image data mining of check transactions: Techniques and applications**

Hassanein, Khaled

Journal of Information Technology Cases & Applications v4n4 pp: 4-21

2002

ISSN: 1522-8053 Journal Code: JITC

Word Count: 7663

**Text:**

...font used. Another source of variability is the amount writing style (e.g. fractional versus decimal Courtesy Amounts (CA) or Legal Amounts (LA) with a numeric cents field versus those with...

...dollar sign or the courtesy amount box.

4. Identify the connected components (e.g. numerals, decimal point, fraction line, etc.) within the courtesy amount zone.

5. Use heuristic rules to assess whether the courtesy amount is written in a decimal or a fractional format.

6. Pass the identified connected components through a segmentation algorithm that...recognition problem as it essentially transforms this task from one that has an unlimited search domain (recognize any payee/payor) to one with a limited search domain (verify whether specific payees/payors appear on a given image of a check).

Payee Text...From pixels to features III: frontiers in handwriting recognition, Elsevier Science Publishers, pp. 171-190.

17 . O'Gorman, L. (1994), "Binarization and Multithresholding of Document Images Using Connectivity", CGVIP: Graphical Models...

...pp. 62-66.

19. Pavlidis, T. (1993), "Threshold Selection Using Second Derivatives of the Gray Scale Image", Proceedings of the 2d International Conference on Document Analysis and Recognition, IEEE CS Press...

...and Text., T. (1995), "Evaluation of Binarization Methods for Document Images" IEEE Trans. on PAMI, 17 (3), pp. 312-315.

22. Tou, J. & Gonzalez, R. (1974), Pattern Recognition Principles, Addison-Wesley...

Dialog eLink:

USPTO Full Text Retrieval Options

20/K/35 (Item 33 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02367327

116349684

**The quality of public sector food-poisoning surveillance in England and Wales, with specific reference to salmonella food poisoning**

Richard A.E. North; Jim P. Duguid; Michael A. Sheard

British Food Journal v98n2 pp: 4-109

1996

ISSN: 0007-070X Journal Code: BFJ

Word Count: 81382

Text:

...investigations to Central Government... [so that the PHLS could publish them].."

In Cowden et al.[ 17 ], the PHLS authors claimed that the overall aim of the PHLS was to"

...improve the...

...from eggs was rare, although laying flocks positive for the epidemic organism were found in 17 per cent of investigations. Unrelated outbreaks, sharing the same source of infection, were detected in...option, for most foods, is the making of small batches - limiting the potential for large- scale infection or contamination, and aiding cooling - and their immediate consumption or refrigeration. The last two...poisoning occurred at the Springfield Hospital in Manchester. Egg in sherry was blamed[13].

- On 17 June 1988, in an insert to a story about a voluntary closure following a staphylococcal...PHLS, to publish the evidence on what it claimed were "human cases caused by eggs"[ 17 ], and evidence to support its references to the number of outbreaks reported to have been...

...cause not to be enthusiastic about any record of their respective performances entering the public domain .

From this perspective, the arguments of the Department of Health and PHLS - and their subsidiary...and supposition by dressing up the apparently precise terms of numerical values expressed to several decimal places, thus conferring a certainty not warranted by the approximations and uncertainties of the original...

...In the region where the greatest increase in S. enteritidis was recorded (the North at 17 .2 per cent) egg consumption dropped by 13.3 per cent. S. enteritidis reports increased...of accounts published in three months or less. There could be little justification for publishing 17 , 26 and 29 months after the event. If the information obtained from these investigations had...in the earlier text. Disclosure of names is restricted to information already in the public domain . Where details have not been published previously, names are not used.

As a preliminary to...the onset times of the first sufferers, there may well have been an initial, small- scale outbreak in the hotel which had

occurred before the reported incident. The pre-outbreak diners' claims...  
 ...rate was relatively low. Given the report of poor conditions in the  
 staff canteen, the scale of the outbreak was probably exacerbated by poor  
 temperature control exercised over staff meals at...was also implicated but  
 much less strongly and could only have explained three of the 17 cases.  
 Of the 17 people who were clinically ill, 14 have been confirmed as  
 having the same strain of...the source of infection. The conditions in the  
 kitchen were considered to have magnified the scale of the outbreaks.

#### Discussion

The epidemiological analyses supported the conclusion that mayonnaise, in  
 the early...than an infected eggs source, a hypothesis which is unsupported  
 by evidence.

#### The Grange Park ( 17 )

This outbreak, in July 1988, occurred among 422 delegates to an IBM annual  
 conference held...a further weakness in the application of the statistical  
 study in that, on 12 September, 17 days before the first distribution of  
 the questionnaire, the hypothesis of the "snow mountain" being...33 had not  
 eaten in the works restaurant. Thirty-nine of 46 symptomatic cases and 17  
 out of 19 bacteriologically confirmed cases had eaten mayonnaise. Onset  
 dates in the confirmed and...from the parents. The flock, which by this  
 time had been reduced by predation to 17 birds, was found in good health.  
 By 12 January 1989, all 360 eggs laid since...165 were guests. Of the  
 total, the epidemic organism was isolated from 118. A further 17 people  
 were found to be asymptomatic excretors, including a caterer employed by  
 Schaverein. This person...of 360 eggs sampled were found positive for the  
 epidemic organism[140]. In four others, 17 of 194 eggs were positive for  
 S. enteritidis PT4[149]. In another [150], five of...between consumption of  
 egg mayonnaise on 16 July ( $p = 0.0004$ ) and, in the period 17 -26 July,  
 between whole prawns ( $p = <0.01$ ) and Scotch eggs ( $p = <0.01$ ) but...  
 intended slaughter". Phage typing results from the flock did not become  
 available until 10 and 17 January 1990 but, on 18 November 1989, the MOEH  
 was quoted in the Yorkshire Post as...the suspected focus of infection.  
 From the latter group of isolations, a time cluster of 17 cases with  
 dates of onset between 14 and 18 March were selected for a case...

...vanilla slices and trifles ( $p = 0.0001$ ) purchased from the suspect  
 bakery. Thirteen of the 17 had eaten vanilla slices or a trifle  
 containing custard from the bakery, purchased on 13...

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#### Dialog eLink:

**DSPTO Full Text Retrieval Options**

20/K/36 (Item 34 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02313908 86920260

**A fast algorithm to compute the moments of the exponential function for  
 application to semiconductor modelling**

Guido E. Sartoris

Compel v16n1 pp: 17-30

1997

ISSN: 0332-1649 Journal Code: COPL

Word Count: 5004

**Abstract:**

...computing the lowest degree moments of the exponential function for a segment, square or cubic domain . An exponential function with the argument a multivariate polynomial with a maximum degree of one...

**Text:**

...for an argument. The space dimension can be 1D, 2D, or 3D and the integration domain shape depends on the finite elements used. Usually, these have rectangular or simplicial shapes. The...

...element method used the tetrahedron as the basic element shape for partitioning the 3D simulation domain . There the integrals possess a closed analytical expression and their evaluation is a fast process...2 with  $bcd[\sup]_{\max} > 2.7$ , the values  $N = 7, 9, 11, 13, 15, 17, 19$  for  $OdO \leq 0.1, 0.5, 1.1, 2.0, 3.3, 5.0 \dots 2$  with  $d > d[\sup]_{\max}$ , one can perform the integration by splitting the integration domain . Even if the rational function coefficients have a precision  $[\epsilon]$  when coded in the program...

...a function of  $d$  is limited to the loss of one and at most two decimal digits.

Next, one has to decide how many quadrature points  $N$  should be used in...

...e,  $f$ ,  $g$ ,  $h$ . If the condition  $fgh[\sup]_{\max} > \text{MaxFGH}(20)$  holds, the integration domain is split into  $M = \lceil fgh[\sup]_{\max} / \text{MaxFGH}(20) \rceil + 1$  parts. Since by integrating on  $M$  subintervals the values of  $f$ ,  $g$ ,  $h$  are scaled by a factor  $1/M$ , with this method one can accurately compute the moments.

5...100 and for moments of degree one an error limited to the loss of three decimal digits was obtained, but for moments of higher degree the error reached a loss of seven or eight decimal digits. The largest error occurred when algorithm (3.2) for  $\sim d \sim [\text{approximate}] 7.0$  was...

...potential itself has been precomputed following [14] by solving the van Roosbroeck equations inside the domain  $[\Omega] = [ , 3[\mu]m ][\sup]_{\text{Dim}}$  using an abrupt doping concentration of  $\pm 1.0 \times \dots$

...1) requires the evaluation of the integral

(5.2)

for each element  $E$  inside the domain  $[\Omega]$ , where  $[\Omega]_{\text{sub}}[\epsilon]_{\text{sub}}$  is the finite element domain and  $q_{\text{sub}}^2$  a polynomial in  $Q_{\text{sub}}^2$ . Since the electrical potential is...

...the lowest degree moments of the exponential function for a segment, square or cubic integration domain , where the argument of the exponential function is a polynomial in  $Q_{\text{sub}}^1$ . Efficiency...12; Element 12; 13; Element 13; 14; Element 14; 15; Element 15; 16; Element 16; 17 ; Element 17 ; 18; Element 18; 19; Element 19; 20; Element 20; 21; Element 21; 22; Element 22...

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20/K/37 (Item 35 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02246235      86925439

**The subject gateway: experiences and issues based on the emergence of the Resource Discovery Network**

Dempsey, Lorcan

Online Information Review v24n1 pp: 8-23

2000

**ISSN:** 1468-4527 **Journal Code:** ONCD

**Word Count:** 10101

**Text:**

...to raise awareness of networked information resources, to explore the issues associated with running large scale services, and to ensure community involvement in developments at national and international levels". It furthermore...

...network information issues; the establishment of subject services "in order to test the problems of scale associated with offering a community-wide service"; disseminating information about resource discovery systems and providing...some broad categorisation, maybe based on a library classification scheme (several UK services used Universal Decimal Classification, partly based on the example of work at Lund, Ardo and Koch, 1993, which...preserving legacy investment. The hubs were selected around lead organisations in order to lever the domain -specific and technical expertise in established initiatives, organisations, and services. The hub model was chosen...

...which could develop into new subject areas and which could concentrate expertise and effort, creating scale economies. Each hub may provide a range of services, including one or more "subject gateways...A third issue in this area relates to collaboration among the gateways, to achieve some scale economies, increased coverage, and shared expertise and contact. I return to this issue below.

So...December,

17 . DESIRE, <http://www.desire.org>

18. DNER (1997), "Committee on electronic information - content working group...

**Dialog eLink:****USPTO Full Text Retrieval Options**

20/K/38 (Item 36 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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02244774 86920229

**Combined finite element and Laplace transform method for transient solution of flow-induced fields**

A. Tahani; S.J. Salon; M.V.K. Chari

Compel v15n1 pp: 3-14

1996

**ISSN:** 0332-1649 **Journal Code:** COPL**Word Count:** 2779**Abstract:**

In this paper, a structure for combining the finite element method for two-dimensional scalar problems with the Laplace transform method is described. The method is applied to the detailed...

**Text:**

...Introduction

In this paper, a structure for combining the finite element method for two-dimensional scalar problems with the Laplace transform method is described. The method is applied to the detailed...

...process, the insulating tube can be simply considered as a passive charge collecting surface. The domain  $[\Omega]$  represents the region surrounding the insulating tube and bounded by the capped cylinder conducting...

...governing equation for the calculation of the electric potential  $[\phi] = [\phi](r, z, t)$  in domain  $[\Omega]$  is

subject to the following boundary conditions:

where

$[\phi]$ : scalar potential

$r, z$ : cylindrical co-ordinates

$t$ : time

$a$ : inner radius of the insulating tube...

...transform method is used to transform all time-dependent equations from the  $(r, z, t)$  domain to algebraic equations in the  $(r, z, s)$  domain.

Step 2: The transformed potential variable  $[\phi](r, z, s)$ , is expanded in terms of...

...used to solve for spatial coefficients  $[\psi](r, z)$  over predefined nodal points throughout the domain of the problem for an appropriate



number of iterations.

Step 4: After performing inverse Laplace...

...sub<sub>j</sub>k (r, z) for k = 1, 2, ... are used to obtain the transient time scale, the nodal potentials [phi] (r, z, t) and the equivalent line charge density along the...it is clear that [psi][sub]k (r,z) satisfies Laplace's equation inside the domain [Omega] for all values of k:

The solution for [psi] (r,z) requires knowledge of...

...required for the solution of the corresponding variable [psi][sub]k (r,z) over the domain [Omega]. When the initial equivalent line charge density along the pipe [lambda] (z,0) is...

...30) is substituted for I in equation (28) and the latter is integrated over the domain, subject to the boundary conditions, W(a,0) = W(a,L) = 0, we obtain,

Discretization...

...is observed that:

where the positive constant [beta] is the reciprocal of the relaxation time scale [tau].

This approximation improves as k increases. We can find the value of [beta] numerically...

...and [psi][sub]k as k increases. When this ratio is constant to about three decimal places, it is taken as [beta].

Iteration termination criteria

Although the upper limit of the...

...Therefore, by monitoring the maximum value of [psi][sub]k in consecutive steps, the time scale [tau], can be approximated reasonably well after a certain number of iterations. If the largest...the paper is found to be an efficient mathematical tool for the analysis of transient scalar field problems. This method avoids expensive time stepping and the solution at any instant can...

...12; Element 12; 13; Element 13; 14; Element 14; 15; Element 15; 16; Element 16; 17 ; Element 17 ; 18; Element 18; 19; Element 19; 20; Element 20; 21; Element 21; 22; Element 22...

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**USPTO Full Text Retrieval Options**

20/K/39 (Item 37 from file: 15)

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02041104      55410470

**The incremental validity of interview scores over and above cognitive ability and conscientiousness scores**

Cortina, Jose M; Goldstein, Nancy B; Payne, Stephanie C; Davison, H  
Krisl; Gilliland, Stephen W

Personnel Psychology v53n2 pp: 325-351

Summer 2000

ISSN: 0031-5826 Journal Code: PPS

Word Count: 8324

Text:

...Conscientiousness.

Of course, it is not our intention to suggest that cognitive ability tests, Conscientiousness scales, and interview scores are the only important selection devices. Indeed, Ulrich and Trumbo (1965) and...and these biodata measures (Dalessio & Silverhart, 1994). In addition, more general work in the personality domain has shown some evidence that interviewers are able to assess applicant personality accurately (Paunonen, Jackson... consideration of predictor unreliability would have changed the estimate of the population SD to two decimal places.

5 Thanks to an anonymous reviewer for this suggestion.

6Thanks to an anonymous reviewer...

...are basic. Personality and Individual Differences, 13, 653-665.

\*Crant JM. (1995). The proactive personality scale and objective job performance among real estate agents. Journal of Applied Psychology, 80, 532-537.

Dalessio...764--773.

Mayfield EC. (1964). The selection interview: A reevaluation of published research. PERSONNEL PSYCHOLOGY, 17, 239-260.

McDaniel MA, Whetzel DL., Schmidt FI., Maurer SD. (1994). The validity of employment...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/40 (Item 38 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01900330 05-51322

**Derivation and implications of a meta-analytic matrix incorporating cognitive ability, alternative predictors, and job performance**

Bobko, Philip; Roth, Philip L; Potosky, Denise

Personnel Psychology v52n3 pp: 561-589

Autumn 1999

ISSN: 0031-5826 Journal Code: PPS

Word Count: 11899

**Text:**

...these alternative predictors has been brought to the forefront by the expansion of the criterion domain to include many facets of job performance beyond specific task performance, such as contextual performance...

...Organ, & Near, 1983). Indeed, alternative predictor measures often predict these additional facets of the criterion domain better than indices of cognitive ability (e.g., Hattrup, Rock, & Scalia, 1997; McHenry, Hough, Toquam, Hanson, & Ashworth, 1990). Finally, Schmitt, Rogers, Chan, Sheppard, and Jennings (1997...Tett et al. (1991). The reader should note that the final average, rounded to two decimal places, is equal to the largest value in the average because of the disparate sample ...adjustment, and other factors. Constructs such as achievement and dependability seem to fall in the domain of personality constructs, particularly the Big Five factor of conscientiousness, while adjustment might fall into...The consideration of our updated value of .24, in comparison to the earlier value of .17 reported by Schmitt et al., is once again instructive. Schmitt et al. (1997) apparently took...validity should be used in the meta-analysis, rather than an averaging of the single scale validities (our plea for sorting out the conceptual, construct meaning of "biodata" notwithstanding). Further, we dropped a value from a study because there was an assumption that a particular scale was a biodata instrument when, in fact, the scale was a personality measure. We revised estimates for structured interviews by making cuts on the...One reviewer correctly pointed out a mitigating effect to our concern; that is, the biodata scales incorporated in our analysis were empirically derived based on correlations with job performance. This probably places some constraints on the extent to which different biodata scales are measuring radically different constructs. Although the problem might not be as severe as portrayed...pp. 359-397). Greenwich, CT: JAI Press.

Borman W, Motowidlo S. (1993). Expanding the criterion domain to include elements of contextual performance. In Schmitt N, Borman W (Eds.), Personnel selection in...315. Dreher G, Maurer S. (1982). Assessing the employment interview: Deficiencies associated with the existing domain of validity coefficients. In Eder R, Ferris G (Eds.), The employment interview: Theory, research, and...

...social and ethical priorities.

Journal of Vocational Behavior, 33, 293-319.

Hattrup K, Rock J, Scalia C. (1997). The effects of varying conceptualizations of job performance on adverse impact, minority hiring...

...in research findings. Newbury Park, CA: Sage.

Mael E (1991). A conceptual rationale for the domain and attributes of biodata items.

PERSONNEL PSYCHOLOGY, 44, 763-791.

McDaniel M, Whetzel D, Schmidt...

...C. (1998). Gender, age, and race differences on overt integrity tests: Results across four large-scale job applicant data sets. Journal of Applied Psychology, 83, 35-42.

Pulakos E, Schmitt N...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/41 (Item 39 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01896084      05-47076

**Interpretation, empiricism, and the closure problem**

Vermeule, Adrian

University of Chicago Law Review v66n3 pp: 698-708

Summer 1999

**ISSN:** 0041-9494 **Journal Code:** UCL

**Word Count:** 4386

**Text:**

...the rule or standard should be.

If the empiricist project is unavoidable within a broad domain, it also holds a two-fold promise: as discussed below, it might enable proponents of ...inferior to some possible substitute, the existing rule will prevail. Sunstein's review of Justice Scalia's book on interpretation illustrates the approach.<sup>17</sup> After noting that the choice between formalist and antiformalist approaches to legislative history turns upon...

...license the use of legislative history], a dramatic shift of the sort proposed by Justice Scalia [who would exclude legislative history] bears a heavy burden of justification, and he has not...

...the Second World War, reached an apogee during the Burger Court, declined sharply after Justice Scalia joined the Court, and is now rising slowly again.<sup>20</sup>In the Court's 1996 Term...larger of two numbers by choosing the one with the larger digit in the second decimal place, even if one knows nothing about the digit in the first decimal place.<sup>26</sup> But the all-else-equal strategy retains a nagging force. If we know...mechanisms, including burdens of proof, by which law sidesteps factual uncertainty).

" Cass R. Sunstein, Justice Scalia's Democratic Formalism, 107 Yale L J 529, 548 (1997).

" Id at 548.

<sup>19</sup> The...

...Interpretation: Implications for the Legislative History Debate and Beyond, 51 Stan L Rev 1, 9- 17 (1998); Lawrence M. Solan, Law, Language and Lenity, 40 Wm & Mary L Rev 57, 97...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/42 (Item 40 from file: 15)  
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01856664 05-07656

**The closing of Central State Hospital: Long-term outcomes for persons with severe mental illness**

McGrew, John H; Wright, Eric R; Pescosolido, Bernice A; McDonel, Elizabeth C  
Journal of Behavioral Health Services & Research v26n3 pp: 246-261  
Aug 1999  
ISSN: 1094-3412 Journal Code: MHA  
Word Count: 8930  
Text:

...reported currently working to reorganize their state hospital systems. Nineteen states reported downsizing existing hospitals, 17 reported closing wards in state hospitals, and 14 reported reorganizing hospitals. In addition, there has...and level of functioning (LOF). LOF was measured using the Global Assessment of Functioning (GAF) scale<sup>16</sup> and the Stricklin/Barker Level of Functioning (SBLOF) instrument. The SBLOF provides a behaviorally anchored...

...is considered clinically meaningful. In previous research, the internal consistency reliability of the SBLOF total scale was fair to good (Cronbach's alpha = .72).<sup>17</sup>

The tracking project data set contained considerable missing data for the clinical outcomes, especially for...of the interview relevant to the current report are described below. Unless otherwise noted, all scale scores are expressed as item means. QOL was assessed using a 32-item client self...

...concurrent and predictive validity,<sup>18</sup> as well as good internal consistency (Cronbach's alpha = .88).<sup>17</sup> The LSC produces a total score and subscale scores in each of the following life...

...sense of safety, and general QOL. Items are rated using a three-point Likert-type scale (1= bad, 2 = OK, 3 = good). Client satisfaction with services was measured using a 12...

...range from .86 to .94).<sup>20</sup> Items are rated using a three-point Likert-type scale (1 = very, 2 = somewhat, 3 = not at all).

Resident satisfaction with housing (RSH) was measured using a 22-item adaptation of a 19-item scale used as part of the client interview form for the National Institute of Mental Health Supported Housing Demonstration Projects.<sup>21</sup> Items were rated using a five-point Likert-type scale format (1 = very satisfied, 2 = somewhat satisfied, 3 = neither, 4 = somewhat dissatisfied, 5 = very dissatisfied). Levstek and Bond<sup>22</sup> reported an internal consistency (Cronbach's alpha) for the total scale of .79 in a sample of persons with SMI. Internal consistency reliability in the current ...

...mental health. Overall distress was measured using a four-item version of the Perceived Stress Scale. Items were rated using a five-point Likert-type scale (1 = never, 2 = almost never, 3 = sometimes, 4 =fairly often, 5 = very often). Cohen and...

...also adapted from the MOS Short Form, was used to measure general physical health. Both scales relied on client self-report. Items were rated using an item-specific five-point Likert-type format. The internal consistency reliabilities of the scales at discharge for the current data set were .73 for the physical health scale and .64 for the mental health scale .

Two scales were used to measure alcohol and drug problems. A diagnostic screen for alcohol and drug...

...25 The items were rated using an item-specific four- or five-point Likert-type scale format. Frequency and quantity of alcohol and drug use also was recorded using a 13-item Drug and Alcohol Use Scale adapted from the Drug and Alcohol Problem Scale .26 The internal consistency for the 13-item Drug and Alcohol Use Scale was .88 at discharge for the current sample. Items were rated using an item-specific four-- or five-point Likert-type scale format.

LOF was measured using the GAF (see tracking project, above). Employment outcomes, that is...

...CSH patients would do in the community were assessed using a three-item investigator-developed scale . Items were rated using a four-point Likert-type scale (1 = strongly agree, 2 = agree, 3 = disagree, 4 = strongly disagree). The internal consistency reliability of this scale in the current sample was .63 at baseline. Finally, a variety of demographic variables were...

...attendance.

Data on self-efficacy were collected using Pearlin and Schooler's seven-item mastery scale .28 Two modifications were made to the scale : items were read to respondents, and respondents could choose from five response choices (1 = strongly variances was used with the associated reduced degrees of freedom (shown with a decimal point). Because of the number of comparisons analyzed, the p level was set to be...

...time (baseline, 6 months, 12 months, and 18 months) for each of the 11 SBLOF scales and the GAF scale . The 24-month period was excluded because of excessive missing data. Subjects discharged before the...

...housing LOF,  $F(3, 67) = 6.6$ ,  $p < .001$ , Pillai's test, and income LOF scales ,  $F(3, 67) = 6.9$ ,  $p < .001$ , Pillai's test. A follow-up polynomial contrast...sample of 211 persons with SMI living in the community and receiving assertive community treatment. 17 These figures are higher than those reported for the CSH sample, despite using a treatment...

...the CSH sample was not substantially different from the number reported by McGrew and colleagues. 17 These data, then, indicate that the community placements, although not preventing recidivism or contact with...is still room to improve the QOL and LOF of these clients in every life domain assessed.

Moreover, a statistically meaningful change is not the same as a clinically meaningful change...

...showed a mean improvement of at least a half a point on the three-point scale . Similarly, although 81% of the sample showed an improvement of at least one point on 1 or more of the 11 SBLOF scales (a clinically meaningful result), only 25% of the sample exhibited a mean change, across all LOF scales , of half a point or greater.

#### Study Limitations

As with most studies, several caveats should...of outcome studies and evaluative techniques. British Journal of Psychiatry 1993;162 (suppl. 19):7- 17 .

6. Mechanic D, Rochefort, DA: Deinstitutionalization: An appraisal of reform. Annual Review of Sociology 1990...

...and Statistical Manual of Mental Disorders. Third ed., revised. Washington, DC: American Psychiatric Association, 1987.

17 . McGrew JH, Bond GR, Dietzen LL, McKasson M, Miller LD: A multi-site study of...

...Attkisson CC, Hargreaves WA, Nguyen, TD: Assessment of client/patient satisfaction: Development of a general scale . Evaluation and Program Planning 1979; 2:197-207.

#### Reference:

20. Corcoran K, Fischer J: Measures...

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#### Dialog eLink:

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20/K/43 (Item 41 from file: 15)

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01677632      03-28622

#### **The role of ethnographic techniques in tourism planning**

Sandiford, Peter John; Ap, John

Journal of Travel Research v37n1 pp: 3-11

Aug 1998

**ISSN:** 0047-2875 **Journal Code:** JTR

**Word Count:** 8701

#### **Text:**

...were for, 31 percent against and 30 percent neutral, or to plant a good solid decimal point with a long series of digits behind it. But it would be less accurate...of measuring all the relevant variables. Surveys using closed questions, which are multiple-choice or scaled items, frequently limit the responses to the ideas of the questionnaire designers. (This idea of...cultures, and approaches to development would provide planners with comparative information relevant to their particular domain . Ethnographic methods have been used by tourism researchers such as Hartmann (1988), who used participant...Anthropology of Tourism, edited by V. L. Smith. Philadelphia: University of Pennsylvania Press, pp 207- 17 .

(1989). "Touristic Studies in Anthropological Perspective." In Hosts and Guests: The Anthropology of Tourism. 2d...

...Toward a Symbiosis of Social Psychology and Tourism Studies."Annals of

Tourism Research, 11: 5- 17 . Trice, H. M., and J. M. Beyer (1993). The Cultures of Work and Organisations. Englewood...

...Tourism. 2d ed., edited by V. L. Smith. Philadelphia: University of Pennsylvania Press, pp.105- 17 .

van den Berghe, P. L. (1993). "Cultural Impact of Tourism." In VNR's Encyclopedia of...

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20/K/44 (Item 42 from file: 15)

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01641797          02-92786

**Software Reuse: Survey and Research Directions**

Kim, Yongbeom; Stohr, Edward A

Journal of Management Information Systems: JMIS v14n4 pp: 113-147

Spring 1998

ISSN: 0742-1222 **Journal Code: JMI**

**Word Count: 14408**

**Text:**

...functional architecture (user-oriented specifications of functions performed), external knowledge (software development knowledge and application domain knowledge), and environmental knowledge (technology transfer and how software is utilized in the organization). Note...

...specifications, design, and test studies, (2) process information such as design rationales, and (3) application domain knowledge. Data, test cases, and documentation are additional types of reusable resource that are included...functional resources are sometimes referred to as "vertical" resources because they apply in a given domain , while generic resources are called "horizontal" resources because they apply across different domains [9].

(Table...

...the relative novelty of the application. When a series of future applications in a stable domain is contemplated, it is worthwhile investing in an extensive domain analysis (see later) and developing software libraries and management procedures as has been done in... "software factories" [24]. On the other hand, for a "one-off" system in a new domain , planned reuse will be relatively unattractive. In this case, reuse may be limited to generic...

...data is also complicated because of contextual factors such as expertise, complexity of the application domain , and the use of quality control techniques, which vary from organization to organization. However, the...tools for reuse is the existence of a repository of software-related artifacts that record domain knowledge and are linked together through all the stages of the software development life cycle...



...also be obtained by prespecifying and developing what is important in a given application area ( domain analysis) or by systematically recovering resources from existing software (software reengineering and reverse engineering).

Domain analysis is a process by which information describing an application domain is identified, captured, and organized with the purpose of reusing it in new systems [95]. Domain analysis is related to systems analysis but has a much broader scope and different outputs. The latter include a " domain model" consisting of standard terminology, and reusable artifacts such as data models, generic functions, and architectural hierarchies. Approaches to domain analysis include library analysis [74], object-oriented design [98], and knowledge elicitation [66]. These approaches and industry experiences in domain analysis are discussed in [39, 95]. Domain analysis is a slow, unstructured learning process, and it is difficult to find software developers who have sufficient business knowledge to perform it effectively. However, the payoffs from a successful domain analysis can be substantial. To date, software reuse has been most successful in narrow and well-understood application domains with standardized architectures where domain analysis can be most effective [29]. There is a need to further develop formal approaches to domain analysis together with supporting methods and tools.

In software reengineering, old, poorly written source code...

...reverse engineering tools are summarized in [7]. In a somewhat different approach, Caldiera and Basili [ 17 ] developed a quantitative model for identifying reusable software components in existing code. This involves metrics...

...thresholds on the metrics are identified as potential reusable resources and passed to a human domain expert for further analysis, testing and packaging.

After a reusable resource has been identified, considerable...

...in the context of software reuse. The enumerative method (hierarchical classification as in the Dewey Decimal System) and key-word methods have been used successfully in highly or moderately structured domains...

...and precision to equal one. There are a number of factors in the software reuse domain that might lead to efficient retrieval performance. First, the number of relevant resources for a...

...software retrieval request is generally much lower than in a traditional library application. Second, the domain of software reuse may be more structured, with a larger potential for the use of...to gain through increased personal productivity and the exposure to others' software development experience and domain knowledge.

The literature in the area of organizational behavior contains many competing theories of motivation...

...cognitive standpoint [23, 97]. This applies to both the producers (who must understand the application domain ) and consumers (who must understand the reusable resources before they can reuse them.) Human informationprocessing...

...Tracz [94], the following topics should be included in a training program for software developers: domain analysis, creating reusable software resources, composing new systems from reusable software resources,

quality assurance, documentation...from doing nothing (relying on the ad-hoc efforts of individual developers) to a full- scale reorganization involving complete standardization of all phases of the software development process. Since reuse requires...

...organizational units reuse common resources, coordination, communication, and education are needed for even a small- scale reuse program. Most authors suggest that successful reuse requires the creation of distinct roles such...

...Reuse task groups can be organized for each project or each product class or application domain . Depending on the size of the software organization and the significance of the reuse effort...

...To provide coordination, centralized groups usually consist of representatives from each major project or application domain . The duties of a reuse support group include identifying and managing reusable software resources, promoting...paradigm shift represented by the software factory concept can be successfully applied on a broad scale . Another set of interesting research issues concern the efficacy of reuse maturity models and the...for Ada Reuse and Metrics. Oak Ridge, TN: Martin

Reference:

Marietta Energy Systems, Inc.,1989.

17 . Caldiera, G., and Basili, V.R. Identifying and qualifying reusable software components. IEEE Computer, 24...E. An information retrieval approach for automatically constructing software libraries. IEEE Transactions on Software Engineering, 17 , 8 (August 1991), 800-813.

57. Mackellar, B.K., and Maryanski, F. A knowledge base...for software reuse. IBM Systems Journal, 32, 4 (1993), 567-594.

74. Prieto-Diaz, R. Domain analysis methodology. Proceedings of the Workshop on Domain Modeling, ICSE-13,1991, pp. 138-140.

75. Prieto-Diaz, R., and Freeman, P. Classifying...

...SIGSOFT Software Engineering Notes, 15, 2 (April 1990), 42-46.

Reference:

95. Tracz, W. J. Domain analysis working group report-first international workshop on software reusability. ACM SIGSOFT Software Engineering Notes, 17 , 3 (July 1992), 27-34.

96. Tracz, W.J. Second international workshop on software reusability...

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**Dialog eLink:**

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20/K/45 (Item 43 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01396113      00-47100

**PACE: A browsable graphical interface**

Beheshti, Jamshid; Large, Valerie; Bialek, Mary  
Information Technology & Libraries v15n4 pp: 231-240  
Dec 1996  
**ISSN:** 0730-9295 **Journal Code:** JLA  
**Word Count:** 5948  
**Text:**

...records and the online catalog with various schemes such as the inclusion of the Dewey Decimal Classification (DDC) schedules and relative indexes. Projects in Carnegie Mellon University and other institutions have...interfaces were tested against a second-generation OPAC (NOTIS). The results of a limited small- scale experiment indicated that users preferred the visual interface for accessing information to searching a command...69 percent decided that PACE had a very easy interface. At the other end of scale , while 18 percent of Best-Seller group found that interface not easy to use, only...easy to use. Preference is not dependent on other variables such as gender, topic knowledge domain , first language spoken, computer, OPAC, or library usage and year of study (p>0.05...

...a Browsable Interface for Online Catalogs. American Society for Information Science 57th Annual Meeting, October 17 -20,1994. Alexandria, Va.

3. The First PACE Towards a Virtual Reality Library. Canadian Library...43.

Poulter, A. "Towards A Virtual Reality Library." Aslib Proceedings 45, no. 1 (1993):11- 17 .

Reference:

Robertson, S. E., and Hancock-Beaulieu, M. "On the Evaluation of IR Systems." Information...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/46 (Item 44 from file: 15)  
DIALOG(R)File 15: ABI/Inform(R)  
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01211341 98-60736

**U.S. federal committees and commissions and the emergence of records management**

Pemberton, J Michael  
Records Management Quarterly v30n2 pp: 63-69  
Apr 1996  
**ISSN:** 1050-2343 **Journal Code:** RMQ  
**Word Count:** 5062  
**Text:**

...the administrative effectiveness and efficiency of the federal

government.<sup>4</sup> It is certainly the enormous scale of records problems at the federal level that laid the foundation for a profession in...was to examine the business methods and types of work in units within the executive domain to identify and remedy the causes of persistent delays in transacting government business. The committee...

...systems should emphasize a subject arrangement and be as self-indexing as possible under a decimal (e.g., Dewey Decimal Classification) or similar system,

That carbon copies should replace the old and labor-intensive press...

...and

That use of dictation equipment should become more widely extended throughout the federal government. <sup>17</sup>

Applications of library practices (e.g., vertical filing, decimal classification, and card files), while possibly misguided in our hindsight perspective, were being widely used...Commission and the Government's Record Practices," *American Archivist*, 21, iii (July 1958), 277-303. <sup>17</sup> . Summarized in Glenn, above, pp. 291302. <sup>18</sup>. The work of the Taft Commission did lead...

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**Dialog eLink:**

**USPTO Full Text Retrieval Options**

20/K/47 (Item 45 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01076121 97-25515

**Converging Technologies: Forging New Partnerships in Information**

Anonymous

American Society for Information Science. Bulletin v21n6 pp: 15-32

Aug/Sep 1995

**ISSN:** 0095-4403 **Journal Code:** BAS

**Word Count:** 12542

**Text:**

...for their work.

To build systems which support sharing of scientific resources on a large scale , it is necessary to combine the interests of the scientific community with those of computer...electronic texts.

Michael R. Hahn, an SGML Analyst at ATLIS Consulting Group, has more than 17 years experience in MIS as an analyst, operator and instructor. Since joining ATLIS, Michael has...group tagging of sample document.

5. Hands-on Session: Introduction to standard commercial or public- domain SGML-aware editor.

6. Putting the TEI into Practice: Types of software available for SGML...

...scheme and supporting materials on PC disks, including full versions of the TEI DTDs, public domain SGML software and sample TEI texts. Subject to ...and ADI

Francis L. Miksa, University of Texas at Austin, The Influence of the Universal Decimal Classification (UDC)

Michael Buckland, University of California at Berkeley, Document in Documentation

Robert V. Williams...

---

**Dialog eLink:**

**DSPTO Full Text Retrieval Options**

20/K/48 (Item 46 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00887589 95-36981

**Practical considerations for network addressing using CIDR**

Eidnes, Havard

Communications of the ACM v37n8 pp: 46-53

Aug 1994

**ISSN:** 0001-0782 **Journal Code:** ACM

**Word Count:** 6180

**Abstract:**

...of 2 mechanisms: 1. development of new routing protocols for interdomain routing, implementing classless inter- domain routing (CIDR), and 2. assignment of IP network numbers based on the Internet topology, to ...

**Text:**

...announced networks of around 5% to 10%, something urgently needed to be done about this scaling problem.

**CLASSLESS ROUTING**

The proposed solution to cope with the growth of the Internet on...

...mechanisms:

\* Development of new routing protocols for interdomain routing, implementing CIDR (short for "Classless Inter- Domain Routing"). Interdomain in this respect means essentially "between Internet network service providers."

\* Start to assign...way of assigning IP addresses, which is one of the important causes for the current scaling problems of the Internet.)

\* If you know for certain that you will never connect to...

...of addresses have been set aside that can be used for such private internets; see [ 17 ] for more information.  
Getting IP address space through your Internet service provider is currently the...wider network mask -- in this case 28 bits wide (mask 0xfffff0), and the address ranges 17-30 and 225-238 can be used. Last, we need two subnets for H and...

...suite grow in the coming years while a more long-term solution to the current scaling problems is being worked out.

#### CONCLUSION

The Internet protocol suite is currently facing a number of scaling problems. A two-part short-term solution to some of these problems has been proposed...

...field under a 29-bit-wide subnet mask (0xfffffff8) -- rather the subnet field becomes 0x38 (decimal 56), which has two leading zero bits.

#### References

1. Bowers, K., LaQuey, T., Reynolds, J...Standard, Oct. 1993.

10. Fuller, V., Li, T., Yu, J, and Varadhan, K. Classless inter-domain routing (CIDR): An address assignment and aggregation strategy. RFC1519, Proposed Standard, Sept. 1993.

11. Gerich...

...doc.

13. Huitema, C. Iab recommendation for an intermediate strategy to address the issue of scaling. RFC1481, Informational Document, July 1993.

14. Kastenholz, F., Ed. Requirements for IP routers. Dec. 1993...

...J. OSPF version 2, RFC1247, Elective Draft Internet Standard, July 1991. Currently undergoing minor revision.

17. Rekhter, Y., Moskowitz, B., Karrenberg, D., and de Groot, G. Address allocation for private internets...

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#### Dialog eLink:

**DSPTO Full Text Retrieval Options**

20/K/49 (Item 47 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00794880 94-44272

**Who rules at home? One person/one vote and local governments**

Briffault, Richard

University of Chicago Law Review v60n2 pp: 339-424

Spring 1993

ISSN: 0041-9494 Journal Code: UCL

Word Count: 37547

Text:

...small state, democratically responsible to the territorial jurisdiction as a whole.

Local governments vary in scale , ranging from the neighborhood to the metropolitan region. The large number of overlapping localities in... elections to state legislatures<sup>15</sup>. and the House of Representatives.<sup>16</sup> In *Avery v Midland County*, <sup>17</sup> . the Court examined the Commissioners Court of Midland County, Texas, which had been districted to...was no assumption that the benefits of property ownership for improved deliberation and decisionmaking were scaled to the amount of property a person owned. Indeed, in the Tulare Lake district the...localities have turned to entities not subject to direct local popular control to undertake large-scale projects.<sup>173</sup>. The model of proprietary government preserves to states and localities the option of...residents within the corporate limits. The city could not levy ad valorem taxes, exercise eminent domain , or zone in the extraterritorial belt.<sup>196</sup>. On the other hand, the city could enforce...scope.<sup>283</sup> . Resistance to regionalization based on the view that local governments ought to be scaled to the economic and institutional needs of the services provided, and that most services can... The Municipal Year Book 1986 72 (ICMA, 1986).

12. *Wesberry v Sanders*. 376 US 1. 17 (1964).

13. See, for example, *Avery*, 390 US at 493-94 (Harlan dissenting); ... primary elections of United States Senators and other statewide officers).

16. *Wesberry*, 376 US 1.

17 . 390 US 474 (1968). In 1967, the Supreme Court had considered four cases that raised...568 P2d 39, 41 (1977) (tunnel improvement district).

102. See, for example, *Choudhry v Free*, 17 Cal 3d 660, 131 Cal Rptr 654, 552 P2d 438, 442-43 (1976) (district with...discussing Philadelphia's increased use of independent development corporations and public authorities to finance large- scale projects; these entities "can borrow money without having the loan count against the municipality's...

...authorities of cities and towns to levy ad valorem taxes, invoke the power of eminent domain , and zone property for various types of uses," in the police jurisdiction, and, thus, extraterritorial...<sup>15</sup> votes apiece or three who cast 0.77 votes apiece) or (b) moving the decimal point and electing a very large number of representatives at-large from each district, (for example, 23 from the first district, 17 from the second, and 10 from the third.) The first solution, however, recreates the possible ...Metropolitan Areas ch 5 (Markham, 1971).

284. The assumption is that the population needed for scale economies for most government services ranges from 40,000 to 200,000, or much smaller...

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Dialog eLink:

USPTO Full Text Retrieval Options

20/K/50 (Item 48 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00754286 94-03678

**Implementing practice guidelines through clinical quality improvement  
Improving quality of care with practice guidelines Should we be  
implementing untested guidelines? The relevance of practical experience  
to American hospitals Quest for quality or cost containment Reply**

James, Brent C; Chassin, Mark R; Goldberg, Harold I; King, John G; Todd,  
James S

Frontiers of Health Services Management v10n1 pp: 3-56

Fall 1993

**ISSN: 0748-8157 Journal Code: FHS**

**Word Count: 20439**

**Text:**

...data. Some types of errors, such as digit transpositions when writing numbers or misplacement of decimal points, occur more frequently. An individual's error rate is affected by stress levels (e.g., lack of sleep), complexity, and whether that individual is operating within their domain of specific knowledge. Simple errors can introduce variation into patient care. Carefully designed, robust processes...Oregon?" Journal of the American Medical Association 266, no. 3 117 July 1991): 417-20.

17 . "Oregon's Methods: Did Cost-Effectiveness Analysis Fail?" Journal of the American Medical Association 266...

...Oregon's Plan: Should It Be Approved? " Journal of the American [Medical Association 266, no. 17 117 Nov. 1991]: 2439-45.

19. "Cost-Effectiveness Analysis: A Conversation with my Father." Journal ...In neither case does the reimbursement system reward excellent performance as measured on a quality scale .

Another important incentive that can accelerate the implementation of practice guidelines is the public release...Practice: A Controlled Trial of Three Educational Methods." Journal of the American Medical Association 250 17 October 1983): 1728-32.

Smith, C. H. "Maine's Liability Demonstration Project--Relating Liability to...the Diagnosis-Related Group (DRG), Prospective Payment System (PPS), or the Resource-Based Relative Value Scale (RBRVS) Medicare physician payment system, have produced questionable results and unintended consequences. It is ironic...

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20/K/51 (Item 1 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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03660212 **Supplier Number: 207282222 (Use Format 7 Or 9 For FULL TEXT  
)**



**The efficient storage of text documents in digital libraries.(Report)**

Skibinski, Przemyslaw; Swacha, Jakub

Information Technology and Libraries , 28 , 3 , 143(11)

Sept , 2009

**Document Type:** Report

ISSN: 0730-9295

**Language:** English    **Record Type:** Fulltext

**Word Count:** 6132    **Line Count:** 00620

...algorithm, (16) but an external tool--Precomp--is used to decode natively compressed PDF documents. ( 17 )

The second stage is for constructing the dictionary of ...8-bit text encoding and also UTF-8)

\* URL address prefixes of the form "http:// domain /," where domain is any combination of letters, digits, dots, and dashes

\* e-mails--patterns of the form "login@ domain ," where login and domain are any combination of letters, digits, dots, and dashes

\* runs of spaces

Stage 3 begins...indexes (denoting more frequent words) being assigned shorter code words.

The numbers are sequences of decimal digits, which are encoded with a dense binary code, and, similarly to letters, placed in a separate location in the output file.

The special tokens can be decimal fractions, IP numerical addresses, dates, times, and numerical ranges. As they have a strict format ...words beginning with "/" and "\" or ending with "(", and its number tokens can contain not only decimal but also hexadecimal digits (though a single number must have at least one decimal digit). The hexadecimal number must be at least 6 digits long, and is encoded with...the results obtained for TXT documents (table 3), we can see an average improvement of 17 percent for CTDL and 27 percent for CTDL+ compared to the baseline Deflate implementation. Compared...25 percent using CTDL+; the numbers for LZMA are respectively 9 percent for CTDL and 17 percent for CTDL+. In a cross-method comparison, CTDL+ with LZMA beats gzip by 34...manages to improve compression efficiency of the general-purpose algorithms it is based on. The scale of improvement varies between document types, but for most of them it is more than...RFC1951, Network Working Group, 1996, [www.ietf.org/rfc/rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (accessed May 7, 2009).

( 17 .) Christian Schneider, Precomp--A Command Line Precompressor, 2009, <http://schneider.info/precomp.html> (accessed May...

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20/K/52 (Item 2 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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03412674    **Supplier Number:** 179422478 (Use Format 7 Or 9 For FULL TEXT )

**Google and ye shall be found: privacy, search queries, and the recognition of a qualified privilege.**

Werner, Matthew

Rutgers Computer & Technology Law Journal , 34 , 1 , 273(42)

Fall , 2007

ISSN: 0735-8938

**Language:** English    **Record Type:** Fulltext

**Word Count:** 15877    **Line Count:** 01350

...all the files located on FTP sites. (16) As access to the Internet left the domain of academia and research organizations, ( 17 ) it was necessary to develop a search interface that would empower novices and experts alike...constantly following leads and updating his investigation, an aloof librarian meticulously following an electronic Dewy Decimal System endlessly shelving tomes, or a friendly gas station attendant providing detailed, albeit perhaps faulty...surf the Internet with little concern over who will be able to obtain information about domain names visited, (32) emails sent and received, (33) and search queries entered. (34) The World...compliance with the subpoena. (73) At a hearing held on March 14, 2006, the Government scaled back its request. (74) However, the court granted in part the government's motion to...fact that the Internet is a worldwide network. Google seeks to operate on a global scale , thus its "bots" and other techniques index on a global scale . (184) Google's users are located throughout the world. (185) Therefore, when the Government issues...last visited Feb. 1, 2008).

(16.) See Internet History--Faculteit de Letteren, supra note 14.

( 17 .) The World Wide Web's first web site was launched online on August 6, 1991...last visited Dec. 24, 2007).

(31.) See Mostafa, supra note 26.

(32.) Users type a domain name that is translated into the corresponding numerical IP address, and sent to the root server, identifying information for domain names. See Craig Ellison, Dealing with Dynamic IP Addresses, ...quoting Miller, 425 U.S. at 442).

(144.) See Jaffee, 518 U.S. at 35 ( Scalia , J., dissenting).

(145.) See In re A&M, 403 N. ...252.) See Ellen Nakashima, AOL Search Queries Open Window Onto Users' Worlds, WASHI.POST, Aug. 17 , 2006, at D01.

(253.) See Editorial, Enter Search Term Here, Forever, N.Y. TIMES, Aug...Abortion Fed'n, 2004 U.S. Dist. LEXIS 1701, at \*3-4.

(259.) Id. at \* 17 -20.

(260.) Qualified privileges are different from absolute privileges in that they may be overcome...

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20/K/53 (Item 3 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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03266281    **Supplier Number:** 166051618 (Use Format 7 Or 9 For FULL TEXT

)

**An efficient chaos-based feedback stream cipher (ECBFSC) for image encryption and decryption.**

Ahmed, Hossam El-din H.; Kalash, Hamdy M.; Allah, Osama S. Farag

Informatica , 31 , 1 , 121(9)

March , 2007

ISSN: 0350-5596

**Language:** English    **Record Type:** Fulltext  
**Word Count:** 6042    **Line Count:** 00517

...the interval (0,1). It is one of the simplest models that present chaotic behavior ( 17 ).

The parameter I can be divided into three segments, which can be examined by experiments...

...K.sub.i)) mod 256 (8)

here (K.sub.i), (??), and M1 are, respectively, the decimal equivalent of the ith session key, the floor function, and mapping from the session, key space, all integers between 0 and 255, into the domain of the logistic map, all real numbers in the interval (0,1).

4. Read a...

...sub.i) = (K.sub.i+1) + (C.sub.i-1) (11)

And M2 maps the domain of the logistic map, (0,1), back into the interval (0,255).

6. Repeat steps...

...are given to prove its efficiency of application to digital images.

We use the gray-scale images--Lena and Eiffel Tower, each of size 256 x 256, gray-scale (0-255) as the original images (plainimages) and the secret key "123457890123456789123456789012" (in ASCII) is...N.summation over (i=1)) ((x.sub.i) - E(x))((y.sup.1) - E(y)), ( 17 )

Fig. 7 shows the correlation distribution of two horizontally adjacent pixels in plainimage/cipherimage for...

...result in a completely different cipherimage by more than 99% in terms of pixel gray scale values.

Moreover, in Fig. 9, we have shown the results of some attempts to decrypt...

...on Circuits and Systems-I: Fundamental Theory and Applications, vol. 48, no. 2, February 2001.

( 17 ) R. Devaney, "An Introduction to Chaotic Dynamical Systems," 2nd ed. Redwood City, CA: Addison-Wesley...

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20/K/54 (Item 4 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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03183097    **Supplier Number:** 157587361 (Use Format 7 Or 9 For FULL TEXT )

**Anything you can do, I can do meta: space tourist and billionaire programmer Charles Simonyi designed Microsoft Office. Now he wants to reprogram software.**

Rosenberg, Scott

Technology Review (Cambridge, Mass.) , 110 , 1 , 36(12)

Jan-Feb , 2007

ISSN: 1099-274X

**Language:** English    **Record Type:** Fulltext

**Word Count:** 8855    **Line Count:** 00708

...both. The U.S. government has found it nearly impossible to introduce or upgrade large-scale software systems: decade-long efforts at the Federal Aviation Administration and the FBI have collapsed...

...not a place for an ambitious young man with a taste for problem-solving. At 17, Simonyi landed an internship with a Danish computer company by showing some of its programmers...

...language is an abstraction of the machine code that a computer actually understands. A Web domain name is an abstraction of a server's numerical Internet Protocol address.

But most of...

...a prefix that tells you useful information about it, like its type (integer, say, or decimal fraction, or string of letters). Some systems limit the length of variable names to eight...programmer is able to have a direct effect on the software. "Subject matter experts" or "domain experts"--the people who actually understand what the software needs to do, whether it is...

...programmer." Intentional Software would sell software development tools not just to programmers but to the domain experts who really knew their fields.

Intentional Software's strategy borrows from a trend in programming known as "domain-specific languages" or DSLs--little programming dialects tuned to the needs of specific disciplines. Simonyi...

...develop a new system for managing transactions in multiple currencies. First, the bank's own domain experts would define the system's functionality, using their customary terms and symbols and identifying...

...purchase hedge against falling value"). Then the programmers would take that information and build a "domain specific" program generator that embodies that information. A separate software tool would allow the domain experts to experiment with different sets of data and ways to view that data as...

...summoned each time some new development in the world of international banking, or any other domain, required a new software feature. The customer wouldn't feel straitjacketed by a programming language...

...The visible fruit of Intentional's work to date is a nifty tool called the Domain Workbench, which stores a program's vital information in an intentional-tree database and then...

...in the European pensions business. The field's "very complex rules, intertwined with complex business domain structure" make Simonyi's approach look attractive, says Henk Kolck, Capgemini's financial-services technology...

...with an information-intensive task that needs automating. Simonyi calls the people at these organizations "domain experts"; they, not the programmers, know what the program should do.

With the programmers' help, the domain experts list all the concepts and definitions the software will need to encompass. All these definitions go into a database that Simonyi calls the "domain schema."

Like the bench maker turning his knobs, the programmers then incorporate the definitions in the domain schema into "domain code"--a high-level representation of the software's functions, expressed in a "domain-specific language," or DSL that can be tailored to suit the industry in question. But...

...the computation can be projected in many other ways that might be more familiar to domain experts, such as

```
return a = b/c+1;
```

As their first concrete task. Simonyi and his colleagues at Intentional Software are working on building a special tool. the Domain Workbench. designed to manage these projections. Both the domain experts and the programmers use the Domain Workbench to edit and reedit the projections until they look right. After that. the domain code IS fed into a "generator"--the equivalent of the bench maker's truckload of...

...and run.

Once the target code is generated, it can't be turned back into domain code. In that respect, the generator is like an encryption program that irreversibly transforms plaintext...

...easy to scrap old target code and generate improved code from scratch. Simply revise the domain code using the Domain Workbench's Wysiwyg editor and run it through the generator again. In most older approaches...

...prototype is being written in Microsoft's C# programming language and that it accesses the domain schema and the domain code using an "application programming interface," a way for two programs to communicate, that's built into the Domain Workbench. Clearly, though, writing the generator itself, or tailoring it for a specific industry or...

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20/K/55 (Item 5 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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02994597    **Supplier Number:** 146693738 (Use Format 7 Or 9 For FULL TEXT

)

**Social bookmarking, folksonomies, and Web 2.0 tools: how do we find information that can help us do our jobs, pursue our interests and hobbies, or answer any other needs we may have? How do we keep track of information that we have already found, vetted, and deemed useful?**

Gordon-Murnane, Laura

Searcher , 14 , 6 , 26(13)

June , 2006

ISSN: 1070-4795

**Language:** English    **Record Type:** Fulltext

**Word Count:** 5986    **Line Count:** 00741

...and growing collection of links. He needed a better tool that offered greater functionality and scalability and allowed him to retrieve both his favorite and most frequently used links, as well...

...Web site authors have done. No longer do the experts have a monopoly on this domain ; in the new age users have been empowered to determine their own cataloging needs. Metadata...

...from the National Library of Medicine, and professionally created classification schemes, such as the Dewey Decimal Classification System and the Library of Congress Classification Scheme. Critics of folksonomies and tagging believe...

...of related terms that might be relevant to the user's information needs and goals. ( 17 )

While some believe social bookmarking will make searching on the Web easier and even replace...Think of it this way: Combine the Library of Congress Subject Headings or the Dewey Decimal System with tagging and you could create both a hierarchical structure and a flat taxonomy...

...<http://blog.searchenginewatch.com/blog/050118-123400>).

(15) Guy and Tonkin.

(16) Guy and Tonkin.

( 17 ) Kroski, "The Hive Mind: Folksonomies and User-Based Tagging."

(18) See Walt Crawford's article...

---

20/K/56 (Item 6 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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02092532    **Supplier Number:** 19639789 (Use Format 7 Or 9 For FULL TEXT )

**DHCP and DNS: a dynamic duo. (Dynamic Host Configuration Protocol and Domain Name Service) (Internet/Web/Online Service Information)**

Demaree, Kirk

Network , v12 , n8 , p65(5)

August , 1997

**Language:** English    **Record Type:** Fulltext; Abstract

**Word Count:** 3919    **Line Count:** 00309

**DHCP and DNS: a dynamic duo. (Dynamic Host Configuration Protocol and Domain Name Service) (Internet/Web/Online Service Information)**

**Abstract: The Domain Name Service (DNS) and Dynamic Host Configuration Protocol (DHCP) each include technological advantages that make...**

**Abstract:**

**Text:**

...dynamic DNS technologies could bring relief for network managers scrambling to manage IP addresses and domain names.

...perfect intranet, network managers are faced with growing concerns regarding management of IP addresses and domain names. The latest developments in Dynamic Host Configuration Protocol (DHCP) and dynamic Domain Name Service (DNS) could provide some alternatives.

TCP/IP BASICS

TCP/IP is not a...

...is an IP addressing scheme in which each entity or "host" is assigned a dotted decimal numeric identification code that consists of a 32-bit address space, parsed into four 8...

...and number data.

A workstation might be assigned an IP address such as 192.228. 17 .62.

The IP address is broken into two sections: the network number and the host ...to-client chatting) options for mutually updating address databases in a manner similar to the domain name system. Therefore, administrators using multiple DHCP servers will need to set address ranges for...

...by IP address, DNS was developed. DNS allows a user to enter a host's domain name in a format that uses periods as separators—a format that identifies, in hierarchical fashion, the name of the host within its network domain. DNS servers look up the requested name, and once they locate it in the DNS...

...that the host's IP address is 198.71.19.34 and that the actual domain name of the host is whiz.mfi.com, Network Magazine's host for the virtual domain name network-mag.com.

Such a request is processed by a host agent, known as a resolver connected to the Internet, which analyzes the domain name space. The resolver then links to name servers servicing the various subtrees of the requested domain hierarchy. When a domain name is registered, a new record is generated among the primary name servers, which in...

...level in our search for NOS nirvana is a dynamic DNS capable of automatically updating domain name resolution tables based on new DHCP assignments. The current DNS standard provides no framework for dynamically updating the domain name table based on DHCP assignments; however, an Internet draft now before the IETF, combined...resource record that contains the information needed to map the host's FQDN (Fully Qualified Domain Name) and its related IP address. This inability, in turn, leads the DHCP server to array of management features in their product lines and have track records in enterprise-scale IP migrations, thus proving that when it comes to DHCP and dynamic DNS issues, these...

...1353@compuserve.com.

Table 1—Anatomy of a DNS Resource Record per RFC 1034

Owner Domain name where the Resource Record (RR) is found

Type An encoded 16-bit value specifying...

...HINFO Identifies CPU and OS used by a host

MX Identifies mail exchange for the domain

NS An authoritative name server for the domain

PTR A pointer to another part of the domain name space

SOA Identifies the start of a zone of authority

Class An encoded 16...

...IN class; this is a 32-bit IP address; For CH class, this is a domain name plus a 16-bit octal Chaos address

CNAME A domain name

MX A 16-bit preference value, followed by a host name willing to act as a mail exchange for the owner domain

NS A host name

PTR A domain name

SOA A zone of authority fields

---

20/K/57 (Item 7 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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02070868 Supplier Number: 19321573 (Use Format 7 Or 9 For FULL TEXT )

**IPv6: the next generation Internet Protocol. (Internet/Web/Online Service Information)**

Kessler, Gary

Network VAR , v5 , n2 , p32(7)

Feb , 1997

ISSN: 1082-8818

**Language:** English    **Record Type:** Fulltext; Abstract

**Word Count:** 3855    **Line Count:** 00340

...number of addressable nodes, more levels of addressing hierarchy, and simpler autoconfiguration of addresses. The scalability of multicast routing is improved by adding a "scope" field (which describes the part of ...

...applicable (eight bits). Possible values include 1 (Internet Control Message Protocol, or ICMP), 6 (TCP), 17 (UDP), 58 (ICMPv6), and 89 (open shortest path first, or OSPF protocol).

Hop Limit: Specifies...IPv4 because that function is provided by multicast addresses.)

IPv4 addresses are written in dotted decimal notation, where the decimal value of each of the four address bytes is separated by dots. The preferred, or...

...the regular IPv6 format; the remaining 32 address bits are represented in common IPv4 dotted decimal format, for example, 0:0:0:0:199.182.20.16 (or ::199...mapped IPv6 address. The final 32 bits contain a 32-bit IPv4 address in dotted decimal form.

IPv6 multicast addresses provide an identifier for a group of nodes. A node may...

...networks. Before IPv6 can be widely deployed, the network infrastructure must be upgraded. Specifically, the Domain Name System (DNS), IP routing protocols (notably OSPF and the Border Gateway Protocol (BGP)), subnet...

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20/K/58 (Item 8 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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02029944    **Supplier Number:** 19010703 (Use Format 7 Or 9 For FULL TEXT )

**Building multitiered client/server apps with Visual Basic 4.0 Enterprise Edition, Part II. (Microsoft's application development software) (part 2 of 3) (Technology Tutorial)(Tutorial)**

Notestein, Jenny

Microsoft Systems Journal , v12 , n2 , p37(13)

Feb , 1997

**Document Type:** Tutorial

ISSN: 0889-9932

**Language:** English    **Record Type:** Fulltext; Abstract

**Word Count:** 6989    **Line Count:** 00538



...and data necessary to run the application. Using the Upsizing Wizard, this .mdb can be scaled up to SQL Server or simply exported, if desired.

It's worth mentioning that Visual...

...measure, I've cast the timer function as a double, which also gives me the decimal number of seconds since midnight. Server time is used, so it doesn't matter what...its Build method, which is passed the Report Done object. This Build method (see Figure 17 ), will be the same for all Report Builders. Using a Select statement, it extracts the...The client enforces no security. Users are either permissioned at the appropriate level within the domain or not. The end result is that, if someone doesn't have clearance, he or...

...data, or authorized users corrupting accessible data.

Letting Windows NT handle the security at the domain level also allows me to take advantage of options built into Windows NT domain security, including centralized security management and the ability to implement more stringent security requirements. For...

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20/K/59 (Item 9 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01792732 **Supplier Number:** 16944939 (Use Format 7 Or 9 For FULL TEXT )

**Multimedia source guide.(Supplement to T.H.E. Journal)(Buyers Guide)**

T H E Journal (Technological Horizons In Education) , v22 , n10 , pS1(64)

May , 1995

**Document Type:** Buyers Guide

ISSN: 0192-592X

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 37519 **Line Count:** 03053

...content according to their personal style, needs and desires.

This is multimedia on a global scale . By embracing the Web, the Internet and commercial online services like Prodigy, America Online and... and Drum Software Revolutionary War. Gallery of images o Powers of Persuasion o Archival public domain historical images

Form and Function Wraptures, texture maps M o

Gryphon Software Corp. Colorforms[R...talks MW

Cedrus, Inc. Beyond Words-Reading \* Beyond Words-Writing \*

Computer Curriculum Corp. Bravo! Books, 17 + titles (grades K-2) MW

Creative Multimedia Corp. Sherlock Holmes on Disc MW o Shakespeare...

calculator spreadsheet (grades 7+) MDW o[|

Great Wave Software Number Maze (K-7) MW o[| Decimal & Fraction

Maze (grades 3+) MW o[| KidsMath (pre-k-3) MW o[|

John Wiley \* Sons...Inc. Sony Desktop Library Multimedia CD-ROM System

TAC Systems CD-ROM TowerDrives, with 7, 17 or 34 drives

Tallgrass Systems, Ltd. Networked multimedia apps using CD-ROM disc

changers & Novell...LCD data projectors

Monitors

Covid, Inc., M3 Multi Media Monitor, for education Epson America, Inc.

17 " SVGA color monitor

NEC Technologies, Inc. Large monitors for Mac & PCs

Panasonic Broadcast & Television Systems...to 4 x5 originals M

Prolmager 7650C, color & grayscale reflective scanning system, scans 11  
x 17 MW

Polaroid Corp. Polaroid SprintScan 35 Slide Scanner Polaroid Digital  
Palette HK6000 Color Film Recorder...control for every videoconferencing  
participant

RGB Spectrum SuperView, shows multiple video windows on one screen

Scala , Inc. InfoChannel Master Workstation, an Amiga 4000/040 for  
creating TV programs Scala Echo EE100 Intelligent Editing Cable

Sony Electronics, Inc. Sony Vdeck 500, an 8mm video-editing...Products  
of America, Inc. M2694- audio/video-optimized hard drives for PCs or Macs

Future Domain Corp. SCSI CD-ROM Kit

FWB, Inc. CD-ROM ToolKit, accelerates CD-ROM drives MW Sledgehammer,  
RAID disk arrays, up to 17 .4GB MW PocketHammer Hard Drives MW

Insite Peripherals, Inc. Floptical disk drives DM

Iomega Corp...Robotel Robotel - M160, integrated video switching,  
control all student monitors, keyboards/mice, audio, testing evaluation

Scala , Inc. Infochannel Master Workstation, an Amiga 4000/040 for  
creating TV programs InfoChannel IC400, multimedia...Computer Products of  
America 2904 Orchard Pkwy. San Jose, CA 95134 800) 626-4686

Future Domain Corp. 2801 McGaw Ave. Irvine, CA 92714 (714) 253-0400

Future Graph, Inc. 538 Street...Box 50008 Columbia, SC 29250 (803)  
252-2782 (800) 476-5001

Sayett Technology, Inc. 17 Tobey Village Office Park Pittsford, NY  
14534 (716) 264-9265 (800) 678-7469

Scala, Inc . 2323 Horse Pen Rd., #202 Herndon, VA 22071 (703)  
713-0900

Scenario, Inc. 3 Bridge...

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20/K/60 (Item 10 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01710763 **Supplier Number: 16222199 (Use Format 7 Or 9 For FULL TEXT )**

**Image-manipulation software. (Seybold Special Report: Seybold San  
Francisco '94, part 2) (Product Announcement)**

Seybold Report on Publishing Systems , v24 , n3 , pT39(15)

Oct 26 , 1994

**Document Type:** Product Announcement

ISSN: 0736-7260

**Language:** ENGLISH **Record Type:** FULLTEXT

**Word Count:** 15787 **Line Count:** 01221

...kb of data or so.

Cmyk shortcomings. Kaufman, whose company has 2,000 employees and 17  
prepress divisions, has experimented with Live Picture and Photoshop 3.0.  
He is greatly impressed...Scratches removes dust and scratches. A mezzotint  
filter provides control over the creation of gray- scale or colored  
mezzotint effects. A gray- scale filter lets you apply a texture to the  
alpha channel, much like a bump map...and design.

The software allows for extremely fast rotation (preset angle or  
arbitrary to two decimal places), scaling (uniformly, nonuniformly or  
by fractional increments), flipping (horizontally or vertically), mirroring  
(horizontally, vertically or both...

...thing, the language specification is not going to be published (or placed in the public domain ) for some unstated amount of time, in order to give early licensees a head start...but Open

Page does it as a basic function of the rip. Objects can be scaled and rotated. The rip automatically does resolution interpolation and pixel antialiasing as part of these...will depend upon the processes that need to be done. That is, functions such as scaling , rotation, brushing, filtering, Gaussian blurs, blends, etc., will take proportionally as long in XRes as...lets users experiment with brush attributes, such as the number of bristles, thickness, clumpiness, hair scale and size. These created bristle patterns can be saved as new tools with the capture... Collage provides a palette of object-oriented effects, including creation of shadows, soft edge creation, scaling and rotation. Any of these effects can be used with any others.

The text tool...either Creator or Photoshop for image editing, but it has the ability to place, crop, scale and visualize ct images in a page design.

It also includes a powerful, quality-oriented...creative tools for which the company is best known.

With the Extended Retouch option (about \$ 17 ,000), it is possible to merge two images and move between them. However, painting is...

...copy, up to 200% in communications throughput; and up to 100% in lw and ct scaling , display, ct rotation, and processing to Dolev imagesetters.

The Superstation upgrade is priced at \$29...

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20/K/61 (Item 11 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01689851 **Supplier Number: 15399628 (Use Format 7 Or 9 For FULL TEXT )**

**Electronic delivery of advertisements. (includes related article on standards) (Seybold Special Report: Seybold Seminars Boston '94, Part II)**

Seybold Report on Publishing Systems , v23 , n16 , pS11(7)

May 10 , 1994

ISSN: 0736-7260

**Language: ENGLISH Record Type: FULLTEXT**

**Word Count: 9374 Line Count: 00743**

...prepress network to be accessed by the newspaper's pagination systems. This configuration would be scaled to fit the newspaper's ad volume.

For low-volume newspapers, AP plans to use...transportation costs for ddap is that fees are based on the clock and not the scale , as they are with physical shipping. To economize, a balance needs to be created between ...down to a pdf. With no compression options turned on, file size went down to 17 mb. By using lzw compression on images, the file size went down to 2.8...Don Emery of WordPerfect announced Dewey, a reference desk technology. Dewey (named after the library decimal - system king), is a built-in librarian that ties together cross-referencing and searching. Not ...of advertising for publications) Association has been formed to promote the use of accredited, public- domain standards. In the U.S., these standards are supervised by ANSI's Committee for Graphic...

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20/K/62 (Item 12 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01688545 **Supplier Number: 15356060 (Use Format 7 Or 9 For FULL TEXT )**

**Tools and utilities. (1994 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)**

DBMS , v7 , n6 , p63(29)

June 15 , 1994

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 46074 **Line Count:** 03903

...Can be customized to produce standardized screens and reports through the use of templates and domain conversion tables. Supports Bachman/Analyst and Bachman/DBA for DB2, and the KnowledgeWare ADW Analysis ...coordinates (row, column) and the attribute byte display describes the foreground and background colors in decimal , binary, programming codes, dBASE set-color-to codes, and English. A color palette displays and... ...for EGA and VGA, such as 43-line and 50-line modes and VGA gray- scale emulation. Supports dual monitor systems, with a monitor-switching feature for testing multiple target displays...SunOS, Solaris, HP-UX, IBM AIX, Windows, DEC VMS, DEC Ultrix, SGI IRIX, and HP Domain . Complete product and methods training, technical-support hotline, and on-site consulting throughout the life...responding to integrity violations such as Browse, Delete, Copy To, and Print Report. Supports entity, domain , and referential-integrity rules. Also supports custom business rules. Requires DOS 3.3 or later...

...for the enterprise. Integrated with automatic volume-management capabilities to ensure efficient use of media. Scalable across PC LANs and standalone or networked Unix workstations and servers. Consists of both server...A.S. Inc. (Abacus Systems), Minot, ND 701-838-4686; 800-992-0616

A full- scale DBMS for Xbase files that uses CA-Clipper-style indexes. Includes capabilities such as storing...printer. Features rescaling of images, presentation of full pages on standard monitors, panning viewer, gray- scale printing, and document printing. Supports .gif, .pcx, .dcx, .scx, and .pcl. Handles images up to...

...data points in graphs and more objects in CAD drawings. New transformations let users move, scale , rotate, shear, mirror groups or individual objects in drawings. Other features include: rotate/ scale .pcx files; display data in both 2D and 3D; rotate 3D charts to any angle...the high-compression format of .gif images. Includes more than 100 routines to display, save, scale , and manipulate .gif bitmapped images from almost and program. Many utilities; full GIF89a support. \$249...

...that lets DOS-based CA-Clipper have the look and feel of Windows. Displays, prints, scales , and converts .pcx, .tif, and .bmp images, and scans documents directly in CA-Clipper. \$395...

...and Hercules. Images can print on HP LaserJet and Epson dot matrix

printers. Lets users scale , flip, rotate, sharpen, smooth, change contrast and brightness, and zoom and pan in real time...formats. Major features include Super-VGA, VGA, EGA, CGA, and monochrome display support; automatic image scaling ; display of images with existing text; graphics @Say and @Get commands; automatic color correction for...that previously required C and Assembly expertise to CA-Clipper developers. Offers 800 functions in 17 development categories, including video and screen-management functions, and disk and extensive network utilities. \$695 ...Gives programmers control of barcode readers, point-of-sale cash drawers unattended transfers, autodailers, and scales . Other features include baud rates up to 115K, XOn/XOff software flow control and RTX...from batch files or within a compiled application. Features a packager, memory manager., and a scalable (four to 96 point) typeface ...calls for subsidiary details or calculations. No runtimes for applications created with JAM/ReportWriter. \$395-\$ 17 ,500.

Mighty Mail Professional Hallogram Publishing, Aurora, CO  
303-752-2086

More than 200 easy...

...designed for Paradox 3.x and 4.x that provides a GUI, a variety of scalable fonts, and drawing tools. The product can also including graphics. Offers enhanced database features such...

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20/K/63 (Item 13 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01680408 **Supplier Number: 15103345 (Use Format 7 Or 9 For FULL TEXT )**

**Publishing on the Internet for fun and profit. (includes related articles on TCP/IP Internet communications protocol, the Interpedia public domain encyclopedia project on the Internet, observations on using Internet access software and printed and online resources about setting up Internet businesses)**

Dyson, Peter E.

Seybold Report on Desktop Publishing , v8 , n8 , p3(12)

April 4 , 1994

ISSN: 0889-9762

**Language: ENGLISH Record Type: FULLTEXT**

**Word Count: 11544 Line Count: 00895**

**...fun and profit. (includes related articles on TCP/IP Internet communications protocol, the Interpedia public domain encyclopedia project on the Internet, observations on using Internet access software and printed and online...**

...It is possible to buy subsets of the full service (Dilbert is offered separately for \$ 17 .95 per week) but we were told that most customers opt for the whole bundle...disclosed, but the rate-card price for a spot in a Business Information Center is \$ 17 ,500.

In announcing the service, Dearth said, "It's consumer-driven, not advertiser-driven. You...system calls for creating a pair of keys (which are large numbers, typically exceeding 100 decimal digits). The keys are

chosen such that a message encrypted with one key can be...useful for services that do not need reliable data transport. For example, requests to a Domain Name Server (which translates human-readable Internet addresses into 32-bit ip addresses) fall into...

...several Internet news groups in early fall 1993, that there should be a new, public- domain encyclopedia on the Internet. The idea quickly caught on. Doug Luce set up a special...at the time -- and (equally important) its copyright has run out, making it a public- domain document.

Michael Hart offered the services of Project Gutenberg (which he heads) to scan the...

...is an effort to put thousands of documents, including literary classics, online in a public- domain environment.) EB11 was on the list for Project Gutenberg anyway. How to handle the formatting...  
...required.

A subgroup devoted to this topic is at work, discussing the options. Several small- scale software prototyping projects are under way, and serious consideration is being given to whether the...

...be helpful to have a scheme (like the Library of Congress subject categories, the Dewey decimal system or the universal decimal classification) to help organize the Interpedia. Then again, if the right kinds of tools are...users have it less rough. If you can somehow obtain them, there are several public- domain Winsock packages, which implement the Windows Sockets api defined by Microsoft. We downloaded a couple...

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20/K/64 (Item 14 from file: 275)  
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01666442 **Supplier Number: 15010226 (Use Format 7 Or 9 For FULL TEXT )**  
**We Have Mail. (Letter to the Editor)**

C Users Journal , v12 , n1 , p116(10)  
Jan , 1994  
**Document Type:** Letter to the Editor  
ISSN: 0898-9788  
**Language:** ENGLISH **Record Type:** FULLTEXT  
**Word Count:** 10061 **Line Count:** 00740

...Co. 1991. p. 204 ISBN 0-7167-8216-2  
which is said to have a domain of Year: [1900; 2099] although the reason is unstated. After streamlining and translating it boils...

```
...int Easter(int Year) { int Y, A, B, C, D, Month, Day;
    /* Return false on domain error */ if ( (Year<1900) [parallel]
(Year>2099) ) return 0;
    /* Compute Easter day */ Y = Year - 1900...obviously questionable
directions, such as not to consider algorithms requiring floating point,
and sacrifice function domain for more basic data types such as ints by
choosing a suitable calendar origin.
```

From...row 24 when 0:44E is 0, changing 0:44E ot 2720 (to lock row 17 on the screen) will put the cursor on row 24 of the "new" screen that

...of 0:44E. In one experiment on a Hercules clone, I sent 0:44E to 17  
\*160=2720, then used a BIOS call to put the cursor on row 0. The cursor  
immediately appeared on row 17, but both printf and scanf and operated as  
if the cursor were on row 0...

...appeared on row 0 as the cursor moved in step along the columns of row  
17.

For sections of code that need a visible cursor, as when requesting  
and obtaining keyboard...

...to 0 (the default) and also converts to hex. The third input explicitly  
sets the decimal flag and stops reading at the "x" giving you a value of  
zero. The other...binary point. All math associated with it takes this into  
consideration. for example:

fixed int scale \_

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20/K/65 (Item 15 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01631869 **Supplier Number: 14822395 (Use Format 7 Or 9 For FULL TEXT)**

**Baseband vector signal analyzer hardware design. (HP 89410A electronic  
test device) (Technical)**

Bartz, Manfred; Bayern, Keith A.; Diederichs, Joseph R.; Kelley, David F.

Hewlett-Packard Journal, v44, n6, p31(16)

Dec, 1993

**Document Type: Technical**

ISSN: 0018-1153

**Language: ENGLISH Record Type: FULLTEXT; ABSTRACT**

**Word Count: 12787 Line Count: 01006**

...wide-dynamic-range analog-to-digital converter (ADC) that employs a  
proprietary implementation of large-scale dithering to provide superior  
linearity

\* A custom 25.6-MSa/s digital local oscillator and...the best noise  
performance. The 13.4-dB gain setting is used, providing about a 17 -dB  
noise figure for the stage. This dominates the sensitivity performance of  
the input. Large...the switchable gain amplifiers, ranging is complete. At  
this point, an input signal at full scale on any range is at a fixed size  
of about -5 dBm with as much...

...according to the dither mode used by the analog-to-digital converter.  
For the half-scale dither mode used by the standalone HP 89410A, the  
higher 12-dB gain setting of...

...amplifier stage is used, raising the trigger signal level to +7 dBm. For  
the quarter-scale dither mode used by the HP 89440A RF vector signal  
analyzer, the lower 6-dB...

...standing waves. This termination system provides minimum dc loading,  
improving linearity and distortion performance.

Large-Scale -Dithered ADC

The ADC is one of the key enabling technologies for the development

of...

...commercially available 12-bit ADC under development as an embedded component in an HP large- scale -dithered circuit design being developed in parallel. The resulting converter has unprecedented linearity performance for...

...applications.

HP has considerable experience in the development of custom ADC architectures that use small- scale dithering. The benefits of small- scale dithering for achieving improved spurious performance are well-known. Small- scale dithering provides a means for reducing high-order spurious mechanisms. Dithering in conjunction with subsequent...

...extract signals far below the least-significant bit (LSB) step size of the converter.

Large- scale dithering not only reduces high-order distortion products but also seeks to ...applied. The HP 89410A ADC is the first known practical application by HP of large- scale dithering as an external enhancement to an embedded ADC component. The goal was superior low-order linearity at high conversion rates.

The converter has two modes of operation: quarter- scale and half- scale dither levels relative to the converter's fullscale level. The two modes are optimized for...

...resulting low-order and high-order distortion performance for the HP 89410A ADC at half- scale dithered operation. At nominal full scale, the HP 89410A ADC provides typically 80-dBc secondorder and 85-dBc third-order distortion...

...is significantly lowered, allowing "soft distortion" behavior at input signal levels other than nominal full scale (see "ADC Bits, Distortion, and Dynamic Range" on page 38 for a discussion of the...

...in the HP 89410A is available to users for higherSNR measurements.

In contrast to small- scale dither, the application of largescale dither poses some significant design challenges. The high-speed circuitry ...

...dithering must exhibit extremely fast settling times. The large signal swings associated with the large- scale dither levels must be settled well within the 39.06-ns conversion time to avoid...

...required RF isolation.

ADC Block Diagram

Fig. 5 shows the block diagram of the large- scale dithered ADC. The dither signal consists of random noise, which must be uncorrelated with the ...

...isolation. Fig. 6 shows a Pareto chart of the noise floor components in the large- scale -dithered ADC. The individual noise mechanisms were reduced to below the inherent noise of the...

...ADC component, resulting in a signal-to-noise ratio of 127 dBc/Hz. For half- scale dithered mode, the signal-to-noise ratio is 124 dBc/Hz, taking the additional 3 dB of dither overhead into account.

ADC Correlator

Small- scale dithered converters can often perform the subtraction step with minimal noise penalty because the dither...

...subtraction step entirely because any residual noise left. by subtraction errors is negligible. For large- scale dither, the precision of the subtraction step becomes critical, because the large signal levels



employed...the correlator and accumulator gains into a single feedback gain [Beta] and ignoring the s- domain effects of the zero-order hold associated with the AGC DAC and the loop shaping filter results in the simplified z- domain loop shown in Fig. 7b. The transfer function of the dither error derived from the simplified output error signal in the z domain is given by:

[MATHEMATICAL EXPRESSION OMITTED]

For the correlator loop the combined system gain of...

...manifest itself in the system at power-up as a noise floor in the frequency domain that slowly lowers and settles out at the system noise floor as the dither gain...

...the dither subtraction errors to zero. Although the decay is exponential, on a log amplitude scale in the frequency domain the settling time appears as a linear phenomenon in time. To overcome the slow settling...

...thresholds.

Digital Implementation and Diagnostic Modes

The majority of the digital functionality of the large- scaledithered ADC is implemented in two electronically programmable gate arrays. The gate array algorithms can be dynamically reloaded during instrument operation. This facility is used to provide the half- scale and quarter- scale dither modes of operation for the HP 89410A and HP 89440A, respectively. Flexibility in choosing...

...accumulator followed by a sine/cosine generation circuit. The phase accumulator is designed to give decimal frequencies for typical sample rates with a minimum resolution of 25 [micro]Hz, although the... characteristics for the entire span. The IIR filter implementation enhances calculation performance while sacrificing time- domain performance as a result of the filter's sharp cutoff and nonlinear phase characteristics. Algorithms implemented in the main DSP provide the necessary overshoot and phase corrections for time- domain measurements.

The IF trigger circuit on the digital LO/DF assembly uses the complex digital...a Dynamic Signal Analyzer," Hewlett-Packard Journal, Vol. 35, no. 12, December 1984, pp. 12- 17 .

2. K.C. Carlson, et al, "A 10-Hz-to-150-MHz Spectrum Analyzer with...  
...60.

3. T. Hillstrom, "Design Method Yields Low-Noise, Wide-Range Crystal Oscillators," EDN, March 17 , 1988.

4. M. Bartz, "Large- Scale Dithering Enhances ADC Dynamic Range,"  
Microwaves & RF May 1993.

ADC Bits, Distortion, and Dynamic Range scale . The amplitude at which the distortion products no longer continue to drop and the dynamic...

...distortion floor. This floor is often measured in terms of dBfs relative to the full- scale level of the converter and may often be referred to as the linearity of the...

...is dominated by low-order mechanisms the distortion is specified in dBc at nominal full scale .

Distortion order originally derives from the order of the term in the polynomial expansion of...

...signals can be characterized on the basis of signal type (such as noise). amplitude (small- scale or large- scale ), or frequency (narrowband or broadband). as shown in Fig. 2. Narrowband dither signals outside the...

...LSB.

Low-order distortion performance improvements can also be obtained by the application of large- scale dither. In practice the large- scale dither effectively smooths the inflections caused by the integral nonlinearity of the ADC transfer function...

...degree of improvement is directly related to the magnitude of the dither signal employed. Larger- scale dither yields greater reduction of low-order distortion for a given signal amplitude.

Fig. 4...

...measurement that compares the third-harmonic distortion performance of the HP 89410A converter for half- scale dither and undithered modes of operation. The third-harmonic distortion is significantly improved lay the large- scale dithering.

Manfred Bartz  
Customer Support Engineering Manager  
Lake Stevens instrument Division

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20/K/66 (Item 16 from file: 275)  
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01613921 **Supplier Number: 13901763 (Use Format 7 Or 9 For FULL TEXT )**  
**Tools and utilities. (software packages that help database developers prototype and design applications, query, and create help systems, among other uses) (1993 Database Buyer's Guide Special Issue) (Buyers Guide)**

DBMS , v6 , n7 , p63(33)

June 15 , 1993

**Document Type:** Buyers Guide

ISSN: 1041-5173

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 45702 **Line Count:** 03876

...into the Maintenance Workbench, enabling developers to research and enhance applications on a system-wide scale . Maintenance Workbench loads all elements of MVS COBOL applications, including VS COBOL and COBOL II... position on the screen. The attribute byte display describes the foreground and background colors in decimal , binary, programming codes, dBASE "SET COLOR TO" codes, and English. A color palette displays and...for EGA and VGA, such as 43-line and 50-line modes and VGA gray- scale emulation. Supports dual monitor systems, with a monitor-switching feature for testing multiple target displays...can be customized to produce standardized screens and reports through the use of templates and domain conversion tables. Supports the following upper CASE tools: The BACHMAN/Analyst and BACHMAN/DBA for...responding to integrity violations such as BROWSE, DELETE, COPY TO, and PRINT REPORT. Supports entity, domain , and referential integrity rules. Also supports custom business rules. Requires DOS 3.3 or higher...A.S. Inc. (Abacus Systems), Minot, ND 701-838-4686, 800-992-0616

A full scale DBMS for Xbase files that uses Clipper-style indexes. Includes capabilities such as storing and...

...dGT features rescaling of images, presentation of full pages on standard

monitors, panning viewer, gray-scale printing, and document printing. Supports .GIF, .PCX, .DCX, SCX, and PCL. Handles images up to...

...points in graphs and more objects in CAD drawings. New transformations allow users to move, scale, rotate, shear, and mirror groups or individual objects in drawings. Other features include: rotate/ scale PCX files; display data in both 2D and 3D; rotate 3D charts to any angle...the high-compression format of GIF images. Includes more than 100 routines to display, save, scale, and manipulate GIF bitmapped images from almost any program. Many utilities; full GIF89a support. \$249...

...code, street, and other information on maps having detail ranging from city centers to national scale. Other features include zoom, layered display, font creation, and digitizer support. Versions for DOS, Windows... Images can print on HP LaserJet and Epson dot matrix printers. Sunshow allows users to scale, flip, rotate, sharpen, smooth, change contrast and brightness, and zoom and pan in real time...

...formats. Major feature include Super-VGA, VGA, EGA, CGA and monochrome display support; automatic image scaling; display of images with existing text; graphics @SAY and @GET commands; automatic color correction for... video and screen management functions as well as disk and network utilities -- 500 functions in 17 development categories. \$695.

CA-CommonView Computer Associates International Inc., Islandia, NY 516-342-5224, 800...programmers control of barcode readers, point-of-sale cash drawers, unattended file transfers, autodialers, and scales. Other features include baud rates up to 115K, XON/XOFF Software Flow Control and RTX...from batch files or within a compiled application. Features a packager, memory manager, and fully scalable (four to 96 point) typeface library, with support for laser and PostScript devices. dbPublisher for...

...code PCL. The form becomes part of the executable module. Users can include logos, access scalable fonts of the H-P Series III, copy a whole form or part of a...New Century, Palatino, Times, and Zapf Chancery, and more than 180 icon characters. Fonts are scalable from 1/10 to 999 points. Supports all third-party font libraries. Text and graphics... details or calculations. There are no run times for applications created with JAM/ReportWriter. \$395-\$17,500.

Mighty Mail Professional HALLOGRAM Publishing, Aurora, CO 303-752-2086

A menu-driven collection...

...Paradox 3.x and 4.0 that provides a graphical user interface, a variety of scalable fonts, and drawing tools. The product can also include graphics. Offers enhanced database features such...

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20/K/67 (Item 17 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01584388 **Supplier Number: 13440954 (Use Format 7 Or 9 For FULL TEXT)**

**Creating a CD-ROM: overview of the product field. (CD-ROM authoring and data retrieval software packages; includes company directory and related article on resources for doing research) (Buyers Guide)**

Banet, Bernard

Seybold Report on Desktop Publishing , v7 , n6 , p3(29)

Feb 1 , 1993

**Document Type:** Buyers Guide

ISSN: 0889-9762

**Language:** ENGLISH **Record Type:** FULLTEXT

**Word Count:** 17829 **Line Count:** 01443

...Boolean searches within and across fields, range constraints, various record views, and graphic zoom, pan, scale, print are supported.

Dataware provides interactive debugging of data conversion, permitting the author to step...KAware moved the price of entry at least one and in some cases even two decimal places to the left, out of the mainframe range into the domain of other desktop software.

Even though the KAware authoring license is coupled with a runtime...

...example of the multilingual capabilities is the forthcoming Compact International Agricultural Research Library (CIARL), a 17-disc cd-rom set that uses trilingual KAware Full-Text/Image retrieval software. Distributed by...them will make the wider use of Ntergaid's software for databases of cd-rom scale much more feasible.

The HyperWriter developer's kit sells for \$1,595. Note: there are... InnerView directly supports numerous compressed and uncompressed image file formats (8-bit color and gray scale scheduled for the second quarter). It supports the font and text attribute features of the...

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20/K/68 (Item 18 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01468198 **Supplier Number:** 10925752 (Use Format 7 Or 9 For FULL TEXT )

**Double to (and from) string conversion.**

Prince, Timothy

C Users Journal , v9 , n7 , p75(12)

July , 1991

ISSN: 0898-9788

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 3465 **Line Count:** 00270

...sup.+44]. This is the range within which long double arithmetic is sufficient for accurate scaling to a 17-digit integer. With typical numeric coprocessors, integers of only nine decimal digits and registers of only type long double are available. So the practical upper limit...

...Try For Accurate Conversion?

In my experience, there are several context in which accurately rounded decimal output improves the usefulness of application software. First, large tabulations of numbers are more easily...

...be needed. Second, production of portable and legible software demands that constants be expressed in decimal rather than octal or hexadecimal notation. Since the IEEE standard requires the ability to convert...

...not least, transferring data between machines that lack binary compatibility requires full accuracy with a decimal medium of transfer.  
String To Binary Conversion  
ASCII to binary conversion seems less mysterious, even...

...the fractional digits are introduced.

Extended precision helps avoid roundoff errors. Otherwise, terms beyond the decimal point should include correction of the roundoff error. The recursive scheme shown works to eliminate...

...converted. By comparison, any reasonable scheme is an improvement.

Early versions of UNIX did not scale numbers directly into the range where the desired characters can be split off, which is ridiculous, but there still are public domain examples of such code.

IBM mainframe software may generate a rounded string of 16 digits...

...powers of 10 greater than  $[10.\text{sup.}+23]$  could be produced without roundoff error.

The scale factor for %g format can be found by computing the base-10 logarithm either by...

...numbers, the program splits off high-order digits in two steps so that the first scaling can be done by a smaller power of 10. This allows the use of exact...carry out the long int to string conversion. On an Intel 80x87 numeric processor, the scaled register long double can be converted directly to a packed decimal string. Other processors have decimal string. Other processors have decimal adjust" or other instructions to speed conversion from integer binary to packed decimal.

When writing a long int to string conversion in C, the new ldiv function can...

...gets accurate results for powers of 10 and for numbers between one and  $[10.\text{sup.}+ 17 ]$ . Most numbers between  $[10.\text{sup.}- 17 ]$  and one are converted as if the low-order bit were zero. Smaller numbers have...C syntax.

I hope that this article will improve understanding of conversion between binary and decimal floating point, and maybe even help to correct the sloppiness associated with numerical work on...

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20/K/69 (Item 19 from file: 275)  
DIALOG(R)File 275: Gale Group Computer DB(TM)  
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01376773    **Supplier Number: 09485373 (Use Format 7 Or 9 For FULL TEXT )**

**On beyond spreadsheets. (three Macintosh statistics programs: Minitab Inc.'s Minitab 6.2, SPSS Inc.'s SPSS for the Macintosh 4.0 and SYSTAT Inc.'s SYSTAT 5.0; also, two programs for visualizing and solving equations: Wolfram Research's Mathematica 1.2 and Prescience Corp.'s Theorist 1.01) (Software Review) (includes related articles on visual data analysis, time-series analysis, math alternatives and how the products rated) (evaluation)**

Levine, Minna; Custer, Linda  
MacUser , v6 , n11 , p148(12)

Nov , 1990

**Document Type:** evaluation

ISSN: 0884-0997

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 6061 **Line Count:** 00482

...results, although you can instruct it to print any answer to a specific number of decimal places. There's no limit to how large or small numbers can be. Theorist maintains rational expressions in native form if desired, but it truncates individual numbers to 19 decimal places. Most users will notice no difference between the programs.

Both of them use the...desired graph type from a menu (see Figure 9). You change characteristics such as size, scale, perspective, and color by using menus, buttons, and a list of charting characteristics that accompanies...be tested with the Hubble space telescope.

NCSA Image, DataScope, and PalEdit are all public-domain software (free if you download it; \$30 on-disk) that can transform large data sets ...

...217) 244-0072.

Spyglass markets four software products that have their origins in NCSA's public-domain software: View (\$395), Transform (\$395), Dicer (\$495), and Format (\$195). Although they have the same...

...should be available by the time you read this. Spyglass, Inc., 701 Devonshire Drive, C- 17, Champaign, IL 61820;  
(217) 355-1665.

1 or \$295 is a data-analysis tool for...

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20/K/70 (Item 20 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01364249 **Supplier Number:** 08624578 (Use Format 7 Or 9 For FULL TEXT)

**An introduction to Prolog III.**

Colmerauer, Alain

Communications of the ACM, v33, n7, p69(22)

July, 1990

ISSN: 0001-0782

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 12251 **Line Count:** 00956

**Abstract:** ...supporting Boolean operations. The structure of Prolog III is based on a triple, comprising a domain, a relations set and an operations set.

**Abstract:**

...of constraint solving in a chosen mathematical structure. By mathematical structure, we mean here a domain equipped with operations and relations, the operations being not necessarily defined everywhere.

The incorporation of...

...the same time. By structure we mean a triple  $(D, F, R)$  consisting of a domain  $D$ , a set  $F$  of operations and a set of relations on  $D$ .

Domain

The domain  $D$  of a structure is any set. The domain of the structure chosen for Prolog III is the set of trees whose nodes are... $n$ ] denote the set of tuples  $[a.sub.1....a.sub.n]$  constructed on the domain  $D$  of a structure. An  $n$ -place operation  $f$  is a mapping from a subset...

...tuple; they are also called constants since they can be identified with elements of the domain .

As far as the chosen structure is concerned, Figure 2 gives the listing of the...

...again denote the set of tuples  $[a.sub.1]...[a.sub.n]$  constructed on the domain  $D$  of a structure. An  $n$ -place relation  $r$  is a subset  $E$  of  $[D...of$  variables, given once and for all, used to refer to the elements of its domain  $D$ . We will assume that  $V$  is infinite and countable. We can now construct syntactic...

...subset  $W$  of variables : such an assignment is simply a mapping from  $W$  into the domain  $D$  of the structure. This mapping  $[\sigma]$  extends naturally to a mapping  $[\sigma]^*$  from a...a Prolog III-like language, a program is a definition of a subset of the domain of the chosen structure (the set of trees in the case of Prolog III). Members...

... $a.sub.1....a.sub.n]$ ,

in which only elements  $[a.sub.i]$  of the domain occur, can be interpreted in two ways:

1. as a closure property of certain subsets  $E$  of the domain : if all of  $[a.sub.1],..., [a.sub.n]$  are members of the subset  $E...$

...of  $E)$ ,

2. as a rewrite rule which, given a sequence of elements of the domain beginning with  $[a.sub.0]$ , sanctions the replacement of the first element  $[a.sub.0...$

...following definitions:

Definition 1. The set of admissible elements is the smallest subset of the domain (in the sense of inclusion) which satisfies all the closure properties stemming from the program.

Definition 2. The admissible elements are the members of the domain which (considered as unary sequences) can be deleted by applying rewrite rules stemming from the...aware that the simplifications presented here are not necessarily those the machine will perform.

Computing Scalar Products

As an example of approximated multiplication, Figure 7 shows small program which computes the scalar product  $[x.sub.1]X[y.sub.1]+...[x.sub.n]X[y.sub.n]...$   $[x.sub.1,...,x.sub.n]>$  and .

The query

ScalarProduct (<1,1>, X, 12) ScalarProduct (X, <2,4>, 34)?

produces the answer

{X=<7,5>}.

Computing the Periodicity of a...secret and who use their influence for good purposes, are worth their weight in gold.

17 . A person, who has no power of expression and who cannot influence others, is certainly...

...a large head term, an empty body, and a sizeable constraint part depicted in Figure 17 .

Possible Case(< , , , 1'), x)? produces the answer

{x = <'M', 'a', 'x', 9/5, meters, 1'> }.  
Computing Decimal Integers  
Our second example shows how we can use approximated concatenation to access the last...1,1,1,1,1,1,1,1,1,1,2,1,1,1>}, {X = < 17  
,3,2,1,1,1,1,1,1,1,1,1,1,1...useless numerical variables in the solved systems of constraints. The work of J-L. Imbert [ 17 ] should be noted in this connection.

Acknowledgments.

I thank the entire research team which has...

...Mathematical Programming. R.L. Graves and P. Wolfe, Eds. McGraw-Hill, New York, 1963, pp. 17 -26.

[2] Benhamou F. and Boi, J-M. Le traitement des contraintes Booleennes dans Prolog...

...M.R. and Ginsberg, M.L. Logic programming. Commun. ACM 28, (September 1985), 933-941.

[ 17 ] Imbert J-L. About redundant inequalities generated by Fourier's algorithm. AIMSA'90, Fourth International...

### Captions:

An element of the domain of Prolog III. (chart); A set of operations of Prolog III. (table); A set of...

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20/K/71 (Item 21 from file: 275)  
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01321029 **Supplier Number: 08550029 (Use Format 7 Or 9 For FULL TEXT )**  
**Data Based Advisor COMDEX sneak preview. (COMDEX '89; includes related article on Microrim Inc.'s next-generation database management system)**

Data Based Advisor , v7 , n11 , p71(33)

Nov , 1989

ISSN: 0740-5200

**Language: ENGLISH Record Type: FULLTEXT; ABSTRACT**

**Word Count: 24226 Line Count: 02038**

...And, remember, if you choose to weather the crowds in Las Vegas from Nov. 13- 17 , visit your friends at Data Based Advisor--Bally's booth B940. After All, we've...

...new version of the dBUtility Library and dBUtility Directory. The library contains over 850 public- domain and shareware utilities developed specifically for dBASE/compiler programmers. Utilities include a debugger, documenter, ASM...This lets developers integrate text and graphics on the same screen.

Flipper features: automatic axis scaling , multiple graph types on one screen, GEM and Ventura Publishing font compatibility, mouse support, expanded...Once the images are stored, they can be retrieved and manipulated.

SCANBASE provides true gray scale image scanning, viewing,



printing, and raster editing capabilities. It's entirely menu driven, designed for...

...from any programming environment that supports creating a secondary DOS command processor. It supports gray scale image scanning, viewing, printing, and raster editing. The image files are stored in PCX file... SQLBase applications.

\* WallSoft will add SQLBase data types to U12 including char, long varchar, int, decimal, date, time, and datetime.

\* Sample U12 templates that generate Clipper/SQLBase code will be included...version 3.x, a hard disk, 512K RAM, and a printer with 132 column (or 17 cpi) capability. A user manual and telephone support are included. It retails for \$295.

For...video tapes or other collector's items, and a Personal Impact System which supports large-scale database mail-merge applications. Personal Impact System comes complete with name and address information for ...screen color image viewer called from your database application; Photo, which projects a miniature gray-scale image of the graphic image onto a text screen, also easily called from another application; and LasrTrax, a resident gray-scale screen-print routine that supports many screen formats and produces hard-copy images.

LasrTrax requires...compact full-screen color image viewer called from your applications.

Photo--projects a miniature gray-scale graphic image onto a text screen. It's also compact and called from your application.

LasrTrax--a resident gray-scale screen-printer routine for HP LaserJet and compatible printers. It supports many screen formats and... keyword file for these two magazines contains more than 9,800 records with more than 17,000 words to speed search. You can search by author, regular column title, volume, issue...inventory control using bar-code readers, land surveying, QA analysis using electronic calipers, timber cruising/ scaling, and more.

For more information, contact CMT, 895 NW Grant Ave., Corvallis, Oregon 97330, phone...

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20/K/72 (Item 22 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01239664 **Supplier Number: 06283256 (Use Format 7 Or 9 For FULL TEXT)**

**Thoroughly modern turbo. ( Borland's Turbo Pascal 4.0 brings itself up to date with some exciting new features) (evaluation)**

Myers, Ben

PC Tech Journal, v6, n4, p122(15)

April, 1988

**Document Type:** evaluation

ISSN: 0738-0194

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 6398 **Line Count:** 00513

...The vector fonts are Triplex, Small Font, Sans Serif, and Gothic.

Vector fonts can be scaled and rotated, the raster font cannot. Little accommodation is made for the various fonts embedded...

...I of the Turbo Pascal 4.0 Owner's Handbook. They have values of 150 decimal and above.

To verify assignment of error-code numbers, CRITTEST.PAS (listing 1) was traced...supported by 80x87 math coprocessors. When the program was run with extended data type and 17 digits of precision, Turbo 4.0 had a composite error rating of only 0.02...provided a development base for many products that have found their way into the commercial domain. It provided a quick and capable platform from which to develop small programs, as well...

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20/K/73 (Item 23 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01236925 **Supplier Number: 06161586 (Use Format 7 Or 9 For FULL TEXT)**

**Measuring numerical accuracy: applications development. (standardized test for the numerical accuracy of microcomputer compilers)**

Roberts, Jim

PC Tech Journal , v6 , n1 , p142(14)

Jan , 1988

ISSN: 0738-0194

**Language: ENGLISH Record Type: FULLTEXT; ABSTRACT**

**Word Count: 5788 Line Count: 00461**

...limit accuracy, because the range can be made large enough to accommodate, with an appropriate scaling of values, most practical problems in science and engineering.

The second limitation, granularity, means that...

...binary calculations; the newer p854 standards include not only binary calculations, but also standards for decimal calculations and conversions between decimal and binary.

SIMULATES REAL PROBLEMS

ACCURACY's main innovation is that it simulates how numeric...order bit). Bits 52 through 62 contain the exponent, or the power of 2, that scales the significand.

The exponent is represented in biased notation, meaning that a constant value (1...

...type for double-precision, floating-point numbers provides accuracy to a little less than 16 decimal digits. Significant additional accuracy measured in any test could result from guard and sticky bits, intelligent rounding, use of extended real values for long constants, or sophisticated conversion between decimal and binary representations.

An intelligent use of 80-bit temporary real values, either on the...

...intermediate results. The 80-bit data type gives an additional accuracy of three or four decimal places (11 bits), bringing the total to a little more than 19 decimal digits.

In comparing calculated results with the expected values, ACCURACY deliberately avoids the 80-bit...

...16-byte) real numbers. These adjustments involve extending constant

values to the appropriate number of decimal places and changing the error-threshold values (ERRMIN and LOGMIN) as described later in this... accurate (in absolute terms) than the sine because its range is larger over the same domain of argument. The arctangent conversely is intrinsically more accurate than the arcsine; that is, the...accurate than the common rational-function approximations but often do not converge uniformly throughout the domain of the function being calculated. Moreover, they are known only for comparatively few functions.

The...

...rounded negative common logarithms of the computed relative errors. The values approximate the number of decimal digits of accuracy in the computed result; the larger these numbers, the more accurate the...

...the average of the differences between the individual accuracy results and a "perfect" accuracy of 17. This number was chosen because it is just out of reach of the precision attainable...

...of, say, a quadruple-precision result with a reported accuracy of 25 (accurate to 24 decimal places).

The error rating obtained for any compiler depends somewhat on the detailed choices for...

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20/K/74 (Item 24 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01213302 **Supplier Number: 04832613 (Use Format 7 Or 9 For FULL TEXT )**

**The modern modem: bridge to the on-line world.**

Rosch, Winn L.

PC Magazine , v6 , n9 , p100(11)

May 12 , 1987

ISSN: 0888-8507

**Language: ENGLISH Record Type: FULLTEXT; ABSTRACT**

**Word Count: 50871 Line Count: 03856**

...modems).

The nicest thing about the Bytcom is its optional support for Microcom's public-domain MNP (Microcom network protocol) class 4. This protocol, like Xmodem and other software based protocols...the modems reviewed in this article weigh less than a pound, the 5842 tips the scales at a portly 5 pounds. This industrial-strength modem performed very well in the PC...can get you on-line with a minimum of fuss.

--John Edwards

Racal-Vadic

For 17 years, Racal-Vadic has specialized in computer communications products. Its modems have long been considered...

...current settings. Similarly, typing "AT\*T" will show all 28 registers, their purpose, and the decimal values they contain.

The documentation supplied with the review unit was marked "preliminary," but it...

...plastic case reveals why the 2400PA is so portly. Built without any VLSI (very large scale integrated) components, the who piggybacked boards contain no less than 66 integrated circuits and about...not seem to offer any specific support for the MNP feature.

The best-known public- domain file transfer protocols, Xmodem and Kermit, are unusually slow when used with the ExpressData 24s...smaller board squeezed on top of it containing the widely utilized Rockwell VLSI (very large scale integration) highspeed modem chip set. The piggyback board is connected by single in-line headers...

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20/K/75 (Item 25 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01208698 **Supplier Number:** 05107130 (Use Format 7 Or 9 For FULL TEXT )

**A data manager strong on administration. (UNIFY 3.2 from Unify Corp.)**

**(Software Review) (evaluation)**

Roberts, Jim

PC Tech Journal , v5 , n6 , p138(12)

June , 1987

**Document Type:** evaluation

ISSN: 0738-0194

**Language:** ENGLISH **Record Type:** FULLTEXT; ABSTRACT

**Word Count:** 8865 **Line Count:** 00682

...Corporation sees it as consisting of its existing base of UNIX developers, who can market scaledown versions of their existing applications for customers not yet looking for a full multiuser system... clearly defined. In the tutorial and reference manuals, it is treated as a binary-coded- decimal (BCD), floating-point number with no exponent. A little digging in the programmers' manual, however...

...for input or output nevertheless is limited by the number of significant figures, which is 17 . Exponents larger in magnitude than 16 are invalid as input, although they can be represented...

...numeric coprocessors.

Another numerical type, amount, always has two figures to the right of the decimal point. The manuals do not explain this choice, but it is easy to surmise. Shorter...screens from the Data Dictionary Reports menu. The format is not particularly compact; however, large- scale database development projects, for which UNIFY is intended, benefit greatly from such reports.

Thus, where...UNIFY users may want to acquire some of these UNIX-like tools from the public domain . As an alternative, RPT can be used to export variable-length delimited fields; the simpler...

20/K/76 (Item 1 from file: 647)  
DIALOG(R)File 647: UBM Computer Fulltext  
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00520921 **CMP Accession Number:** WIN19921201S0156  
**Buying a System - Mail-Order Buyers Be Aware**

WINDOWS MAGAZINE , 1992 , n 311 , 144  
**Publication Date:** 921201  
**Journal Code:** WIN **Language:** English  
**Record Type:** Fulltext  
**Section Heading:** 500 WINDOWS TIPS & TRICKS  
**Word Count:** 40009  
**Text:**

...chip, which is commonly used for IDE controllers. Some SCSI drive manufacturers, such as Future Domain , also offer 32-bit drivers. Buying a System - Clip Art Made Easy

Subscribe to an...install the AutoFont Support files (shipped with the fonts) and follow the instructions for adding scalable printer fonts. From Control Panel, choose the Printers icon. Click on the Setup button and...you want them. The default for a 300-dot-per-inch printer is a Pattern Scale Value of 3; to adjust this figure, double-click on Printers in Control Panel and then select Setup/ Options/Tricks. The Pattern Scale Value is under Application Fill Patterns. A value of 1 leaves the pattern alone, 2...the menu options to set the graph's update intervals and colors. The graph automatically scales itself to the window as it is sized, and continues to display when minimized as...the first variable is the rate, use the % sign (as in 8%), rather than a decimal value (.08). This prevents the most common error: using 8 rather than .08 as the...Size Is Important

If you want to get the most out of Windows, use a 17 -inch or larger monitor along with a high-resolution (800x600 pixels or better) video card ...LAN Manager (or LAN Server) network by making the Workgroup name the same as the Domain name of the existing network. (From Control Panel's Networks applet, go to the Domain portion of the Advanced settings.) That way, the NT machine can browse servers on the domain . WINDOWS NT - Mix OS/2, DOS and NT on Your System

Mix OS/2 (multiple...69 CD-only SDK even if you don't have a PostScript printer; use public- domain software from WIX or CompuServe. Download VIEWPS.ZIP or VIEWPS2.ZIP from the windows listings...

...can share Windows NT directories with other users on a Windows Workgroup or LAN Manager domain . From File Manager, select the directory or file you want to share and click on...software according to the instructions in the box, and make sure that the Workgroup or Domain name is the same as the name on the Windows NT server. When installation is...